

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX072018\
 Data File : VX003513.D
 Acq On : 20 Jul 2018 16:58
 Operator : JC/SP
 Sample : J3965-10MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 2:45:23 PM

Quant Time: Jul 31 09:08:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	409901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	199737	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	5.51	113	168626	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	8.72	98	633476	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	11.14	95	231554	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	119731	53.454	ug/l	100
3) Chloromethane	1.32	50	163828	59.169	ug/l	98
4) Vinyl Chloride	1.40	62	177425	49.457	ug/l	100
5) Bromomethane	1.64	94	77391	54.450	ug/l	97
6) Chloroethane	1.71	64	115334	54.330	ug/l	100
7) Trichlorofluoromethane	1.92	101	244224	51.027	ug/l	100
8) Diethyl Ether	2.19	74	108372	52.721	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	152021	48.530	ug/l	97
10) Methyl Iodide	2.51	142	201584	53.568	ug/l	94
11) Tert butyl alcohol	3.08	59	199691	301.887	ug/l	100
12) 1,1-Dichloroethene	2.37	96	148095	51.345	ug/l	91
13) Acrolein	2.29	56	79359	265.528	ug/l	100
14) Allyl chloride	2.73	41	282201	55.269	ug/l	87
15) Acrylonitrile	3.15	53	475133	282.131	ug/l	98
16) Acetone	2.45	43	377212	298.741	ug/l #	88
17) Carbon Disulfide	2.57	76	405906	52.037	ug/l	98
18) Methyl Acetate	2.78	43	217946	54.752	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	519001	55.104	ug/l	98
20) Methylene Chloride	2.86	84	173461	56.293	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	162542	50.649	ug/l	95
22) Diisopropyl ether	3.87	45	521788	54.309	ug/l	98
23) Vinyl Acetate	3.82	43	1976299	249.720	ug/l	97
24) 1,1-Dichloroethane	3.70	63	308245	54.682	ug/l	100
25) 2-Butanone	4.71	43	606442	286.255	ug/l	93
26) 2,2-Dichloropropane	4.59	77	194267	45.375	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	183530	51.362	ug/l	99
28) Bromochloromethane	5.02	49	135428	54.964	ug/l	90
29) Tetrahydrofuran	5.17	42	394744	282.064	ug/l	92
30) Chloroform	5.22	83	296748	53.910	ug/l	97
31) Cyclohexane	5.57	56	260837	51.788	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	252191	53.502	ug/l	98
36) 1,1-Dichloropropene	5.80	75	216800	48.988	ug/l	98
37) Ethyl Acetate	4.87	43	213956	51.090	ug/l	96
38) Carbon Tetrachloride	5.78	117	221249	50.968	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	251579	47.996	ug/l	94
40) Benzene	6.15	78	680678	50.942	ug/l	99
41) Methacrylonitrile	5.07	41	131342	53.363	ug/l	93
42) 1,2-Dichloroethane	6.20	62	227416	54.018	ug/l	96
43) Isopropyl Acetate	6.47	43	349930	52.529	ug/l	94
44) Trichloroethene	7.21	130	192185	48.229	ug/l	99
45) 1,2-Dichloropropane	7.52	63	176856	52.126	ug/l	99
46) Dibromomethane	7.67	93	115461	52.860	ug/l	98
47) Bromodichloromethane	7.90	83	217874	54.485	ug/l	98
48) Methyl methacrylate	7.78	41	190447	56.690	ug/l	86
49) 1,4-Dioxane	7.76	88	84876	1115.053	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1214340	288.542	ug/l	93
52) Toluene	8.79	92	430876	51.229	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	256935	52.203	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	237742	53.713	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	176578	52.760	ug/l	97
56) Ethyl methacrylate	9.18	69	264616	56.134	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	290556	53.708	ug/l	99
59) 2-Hexanone	9.50	43	910403	291.965	ug/l	88
60) Dibromochloromethane	9.59	129	181160	54.686	ug/l	100
61) 1,2-Dibromoethane	9.68	107	185164	53.370	ug/l	100
64) Tetrachloroethene	9.34	164	223767	46.934	ug/l	97
65) Chlorobenzene	10.14	112	492014	48.800	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	176762	50.956	ug/l	99
67) Ethyl Benzene	10.26	91	818377	50.484	ug/l	100
68) m/p-Xylenes	10.36	106	639675	100.652	ug/l	97
69) o-Xylene	10.70	106	311392	50.669	ug/l	96
70) Styrene	10.71	104	524314	51.867	ug/l	97
71) Bromoform	10.86	173	140859	52.262	ug/l	99
73) Isopropylbenzene	11.02	105	822882	49.896	ug/l	100
74) N-amyl acetate	6.47	43	349930	49.970	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	251394	52.018	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	226990m	52.987	ug/l	
77) Bromobenzene	11.26	156	227283	47.916	ug/l	98
78) n-propylbenzene	11.37	91	931408	50.807	ug/l	99
79) 2-Chlorotoluene	11.42	91	557052	50.054	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	695435	51.310	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	72202	47.969	ug/l	89
82) 4-Chlorotoluene	11.51	91	648884	49.759	ug/l	98
83) tert-Butylbenzene	11.77	119	669670	50.452	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	712030	51.629	ug/l	98
85) sec-Butylbenzene	11.95	105	802893	49.801	ug/l	100
86) p-Isopropyltoluene	12.07	119	732131	50.601	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	415778	47.685	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	418778	46.625	ug/l	99
89) n-Butylbenzene	12.39	91	603597	49.129	ug/l	99
90) Hexachloroethane	12.60	117	104412	50.764	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	421691	49.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51185	54.422	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	285285	45.297	ug/l	99

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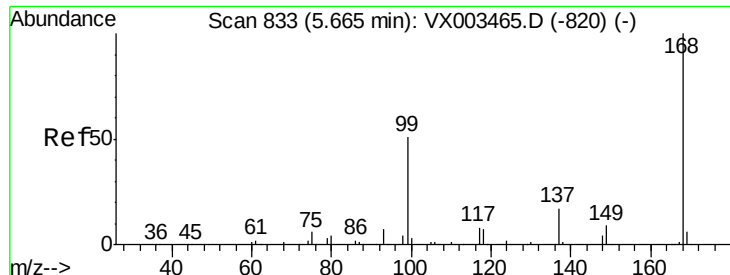
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	130150	42.969	ug/l	100
95) Naphthalene	13.83	128	845662	51.099	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	292710	46.948	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

Tgt Ion: 168 Resp: 282398

Ion Ratio Lower Upper

168 100

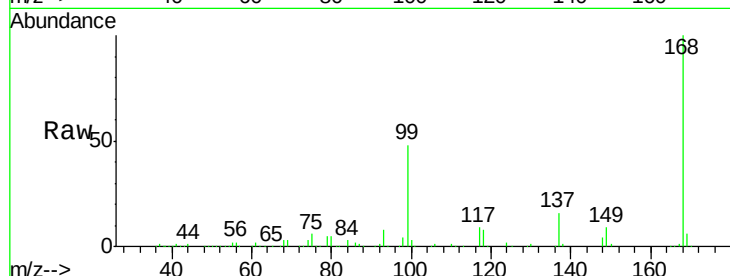
99 48.0 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

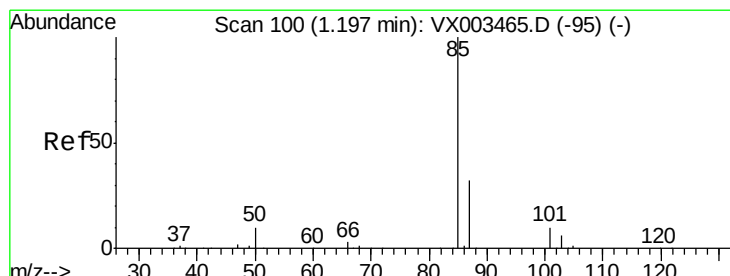
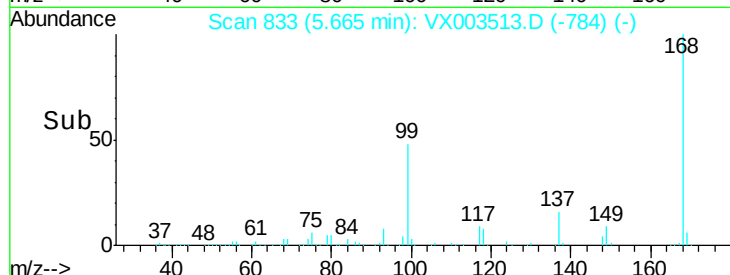
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 53.454 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003513.D

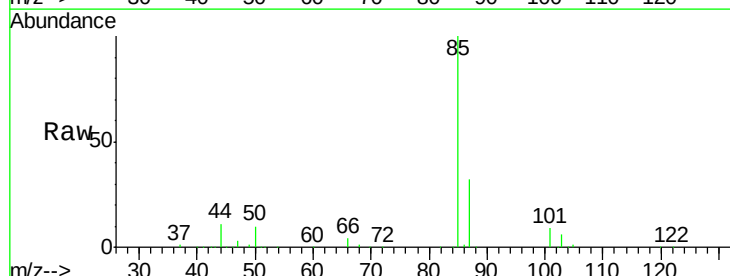
Acq: 20 Jul 2018 16:58

Tgt Ion: 85 Resp: 119731

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

50000

0

1.10

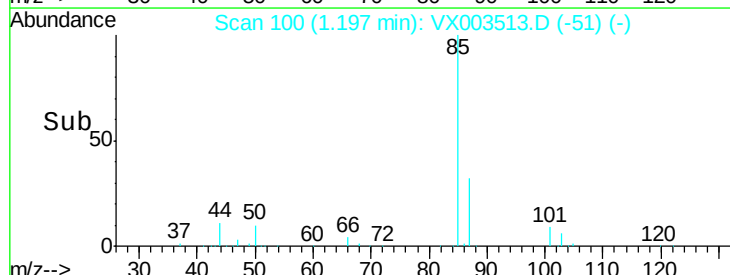
1.15

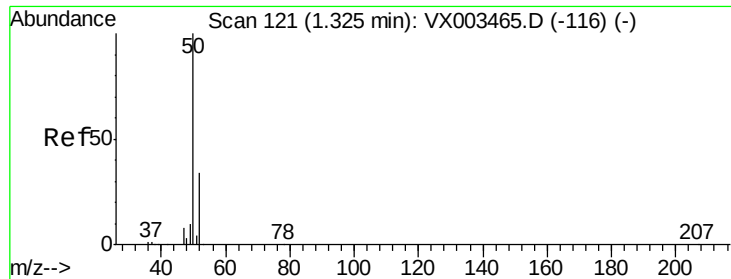
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 59.169 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tgt Ion: 50 Resp: 163828

Ion Ratio Lower Upper

50 100

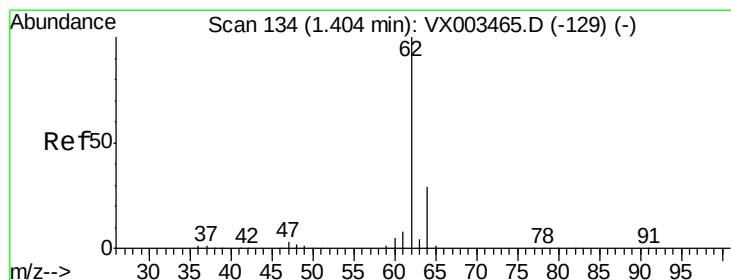
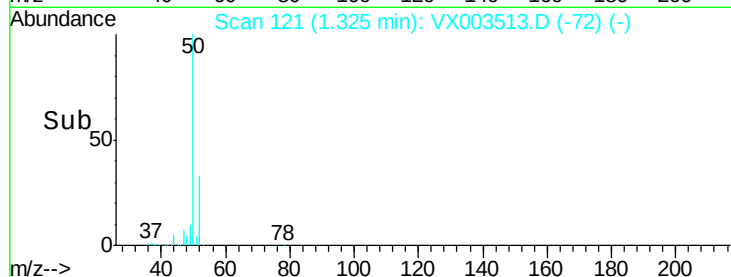
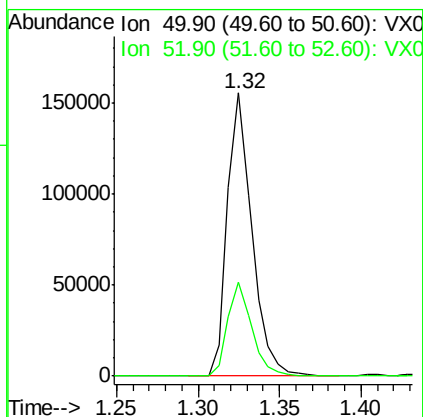
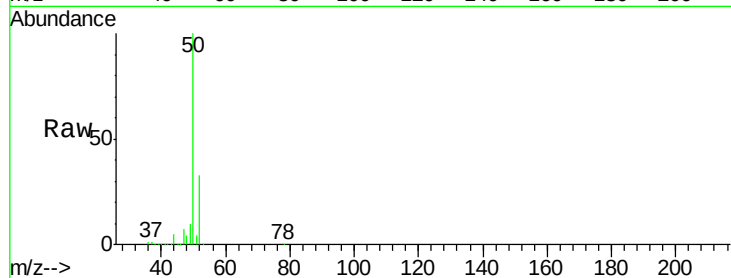
52 33.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.457 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003513.D

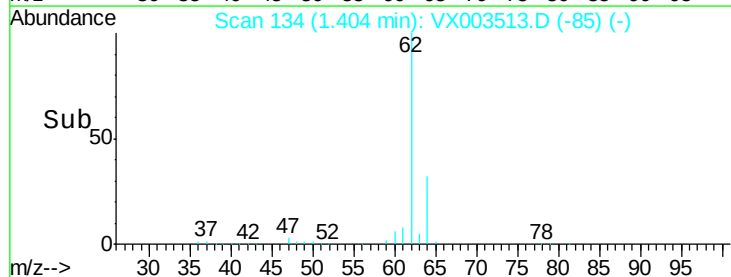
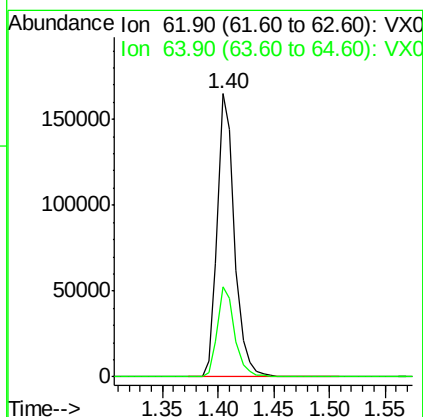
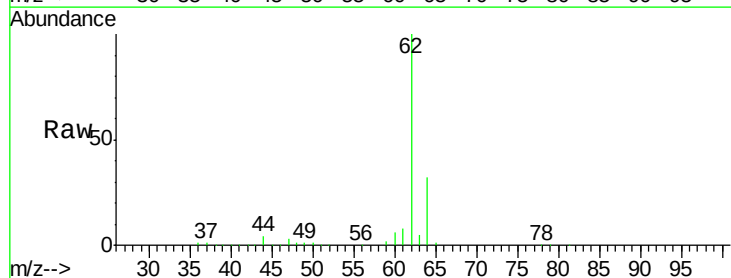
Acq: 20 Jul 2018 16:58

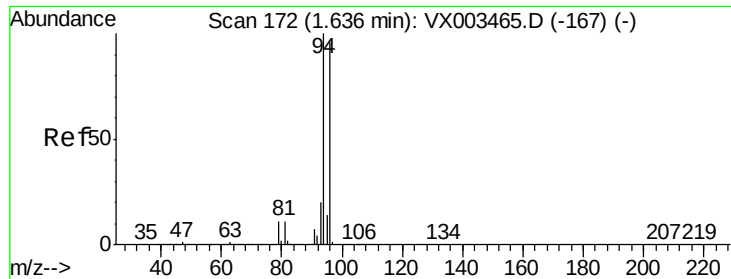
Tgt Ion: 62 Resp: 177425

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 54.450 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tgt Ion: 94 Resp: 77391

Ion Ratio Lower Upper

94 100

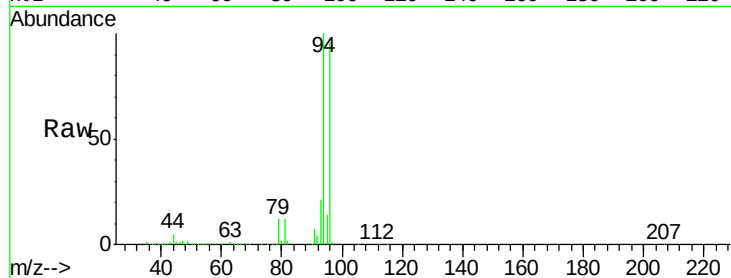
96 96.5 74.9 112.3

Manual Integrations

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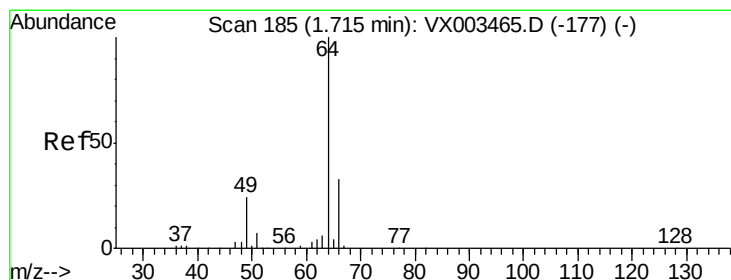
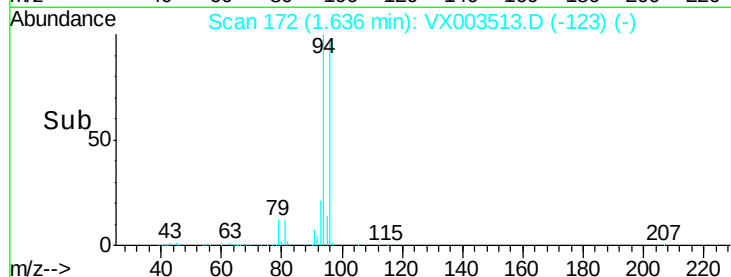
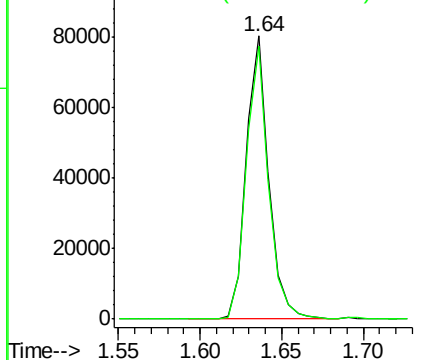
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.330 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003513.D

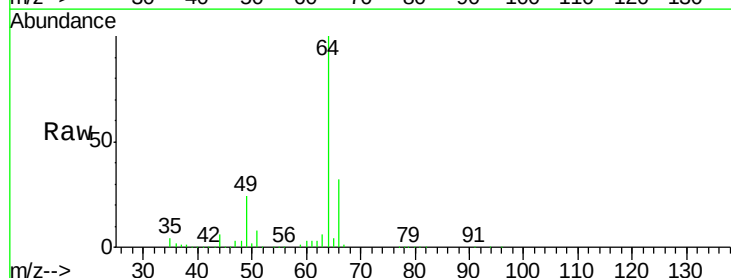
Acq: 20 Jul 2018 16:58

Tgt Ion: 64 Resp: 115334

Ion Ratio Lower Upper

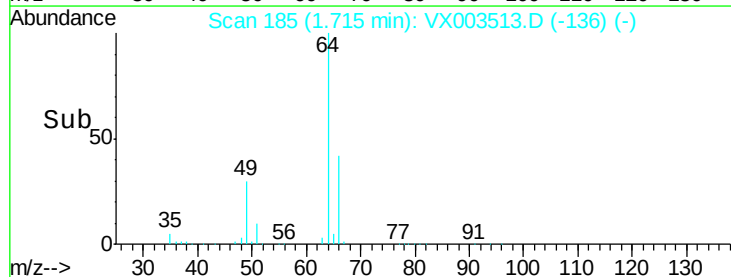
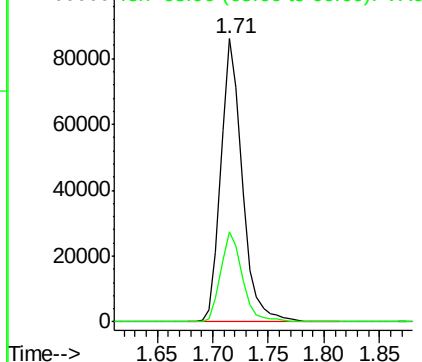
64 100

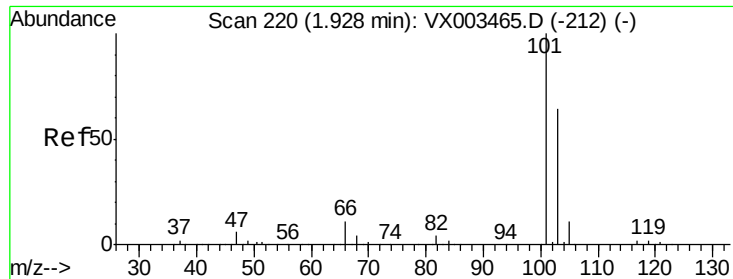
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

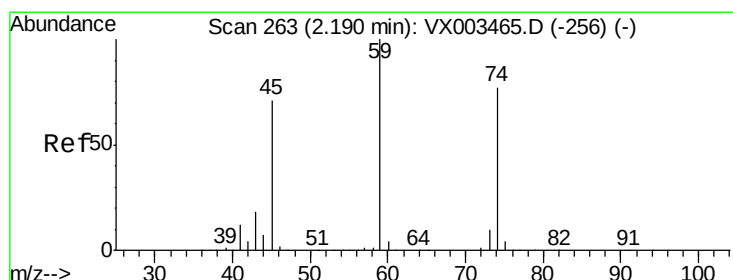
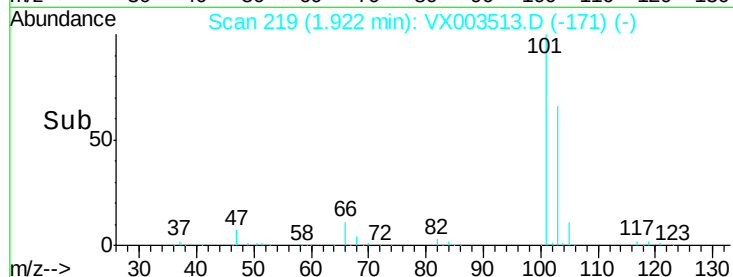
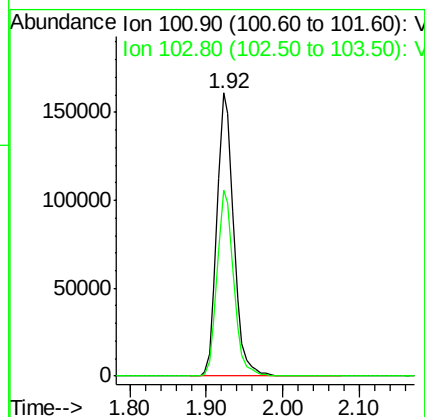
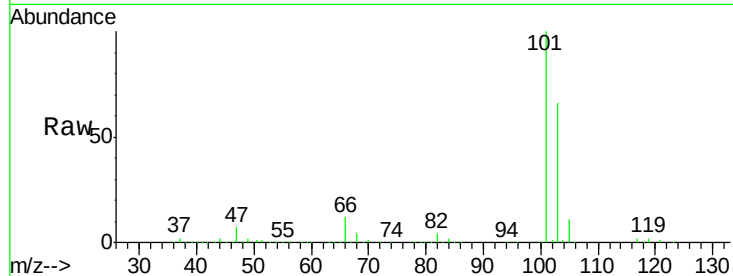
Trichlorofluoromethane
Concen: 51.027 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
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ClientSampleId :
LF1-0034MS

Tgt Ion: 101 Resp: 244224
Ion Ratio Lower Upper
101 100
103 66.0 52.8 79.2

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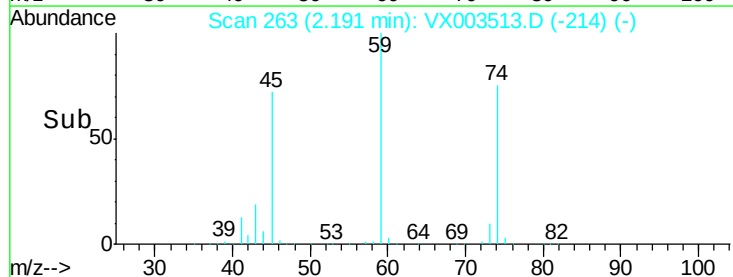
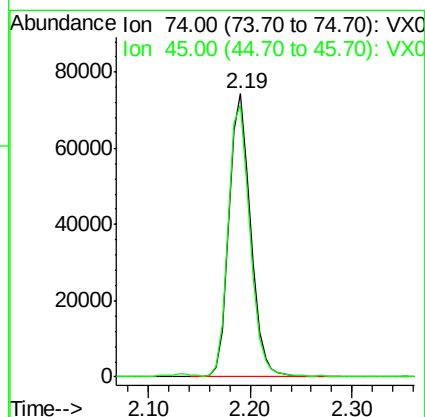
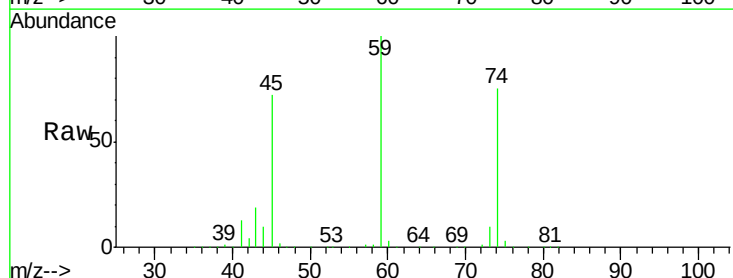
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7/31/2018 2:45:23 PM

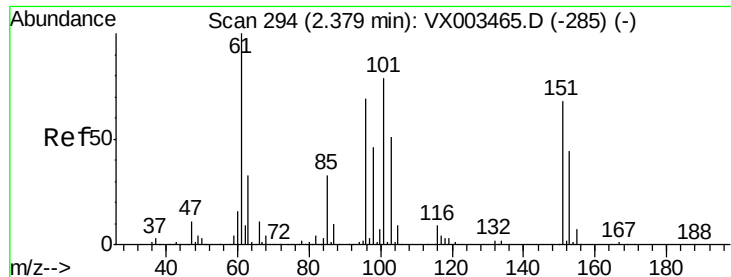


#8

Diethyl Ether
Concen: 52.721 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 74 Resp: 108372
Ion Ratio Lower Upper
74 100
45 96.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.530 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

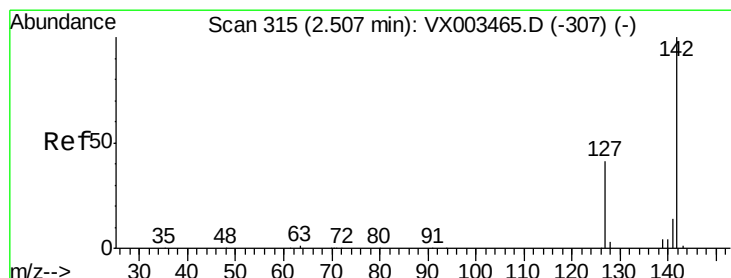
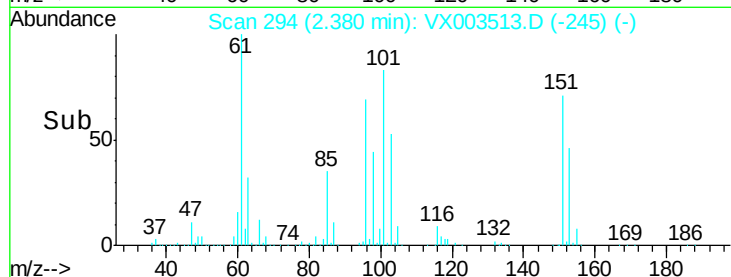
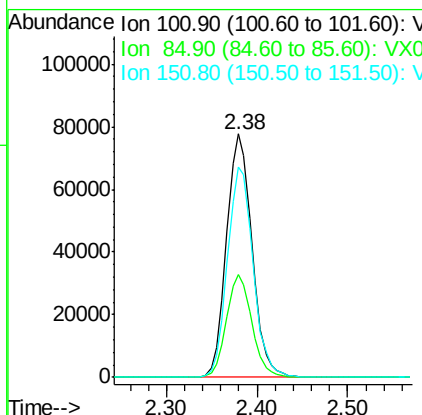
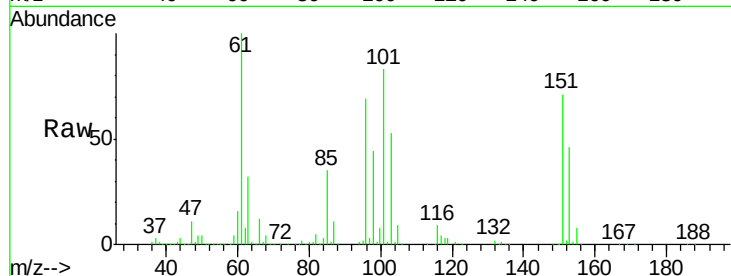
ClientSampled :

LF1-0034MS

Tgt Ion:	101	Resp:	152021
Ion Ratio	Lower	Upper	
101	100		
85	41.9	36.0	54.0
151	87.0	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 53.568 ug/l

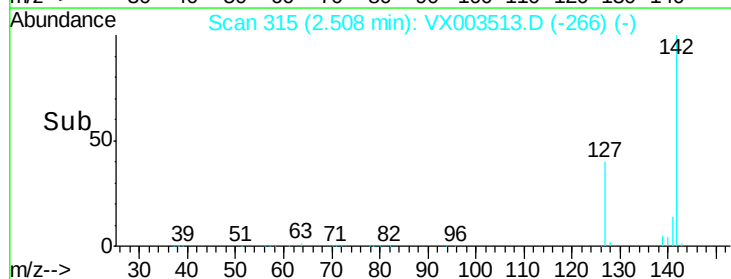
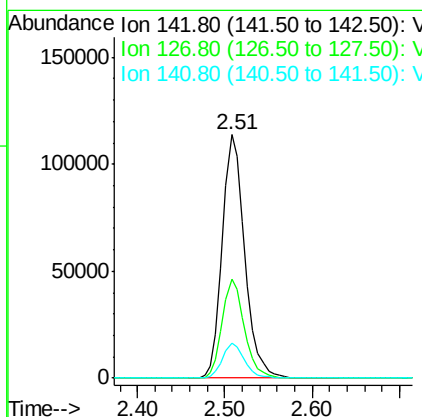
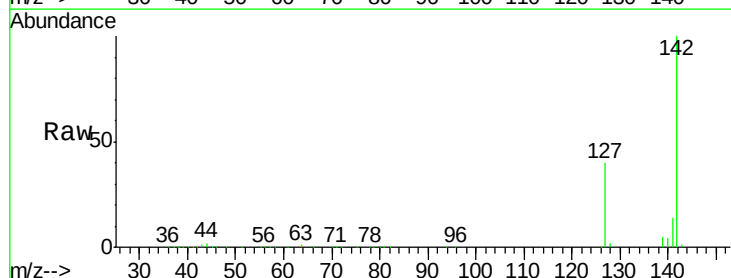
RT: 2.51 min Scan# 315

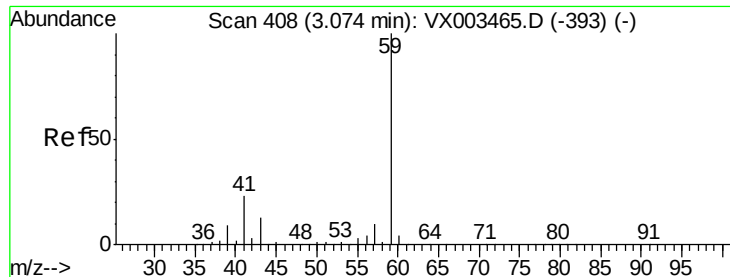
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	142	Resp:	201584
Ion Ratio	Lower	Upper	
142	100		
127	40.5	36.6	55.0
141	14.1	11.3	16.9





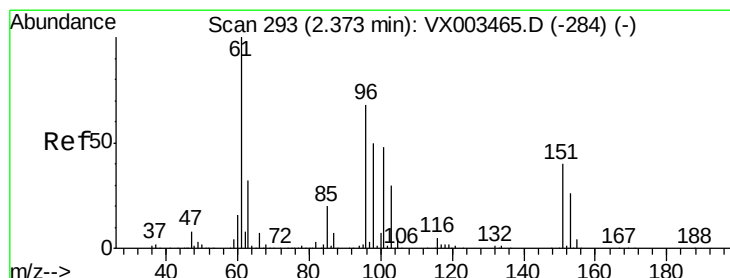
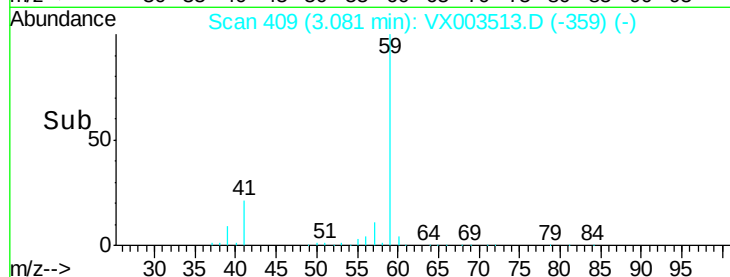
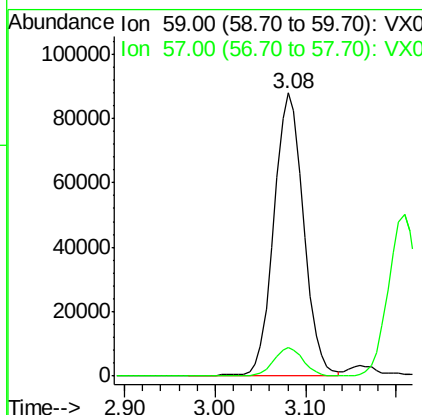
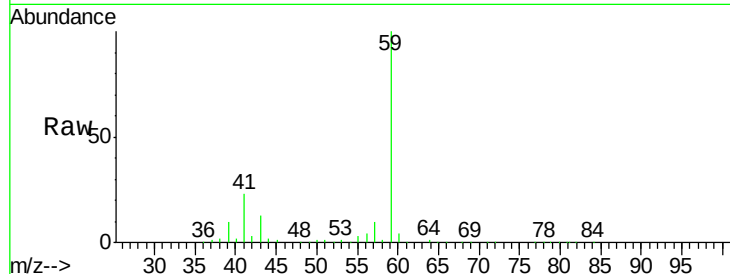
#11
Tert butyl alcohol
Concen: 301.887 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	199691		
57	10.1	8.2	12.2	

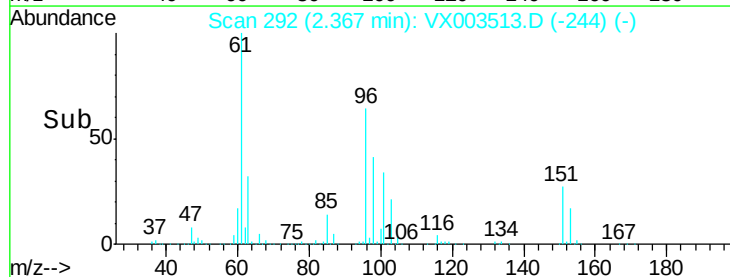
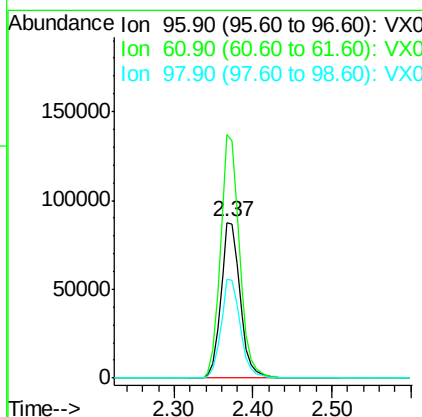
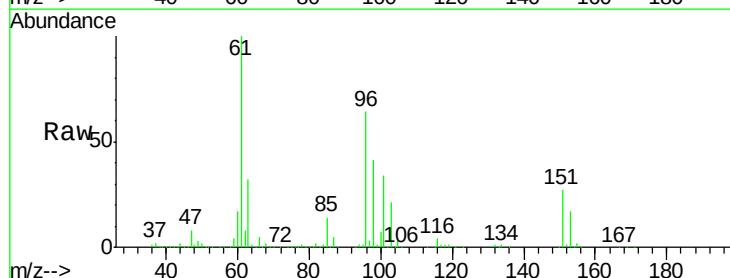
Manual Integrations
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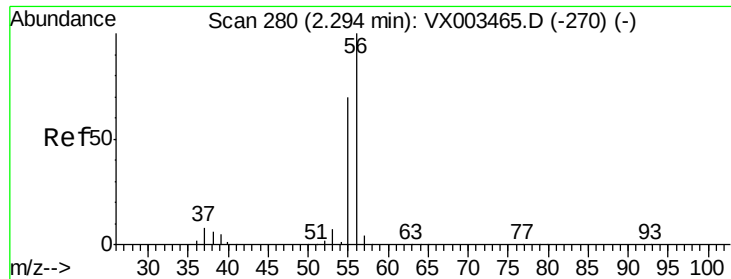
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.345 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	148095		
61	156.3	137.9	206.9	
98	63.6	51.6	77.4	





#13

Acrolein

Concen: 265.528 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

Tgt Ion: 56 Resp: 79359

Ion Ratio Lower Upper

56 100

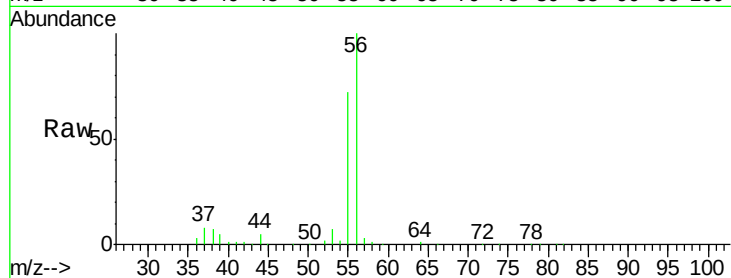
55 71.5 57.0 85.4

Manual Integrations

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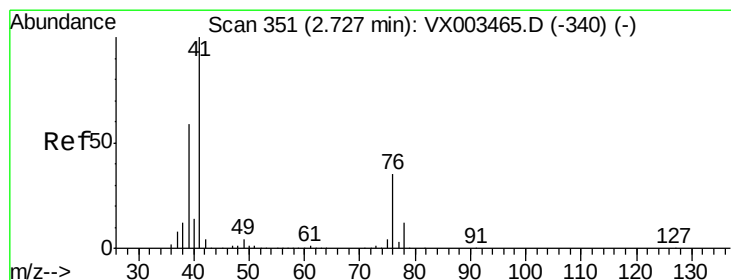
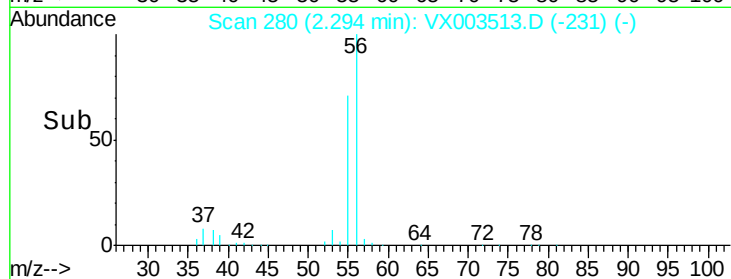
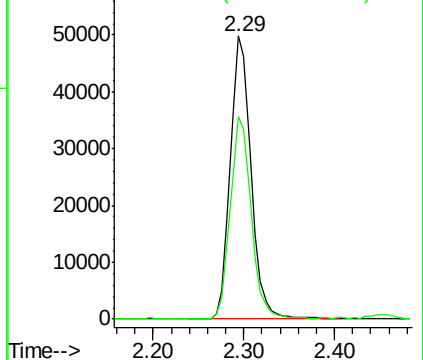
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 55.269 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

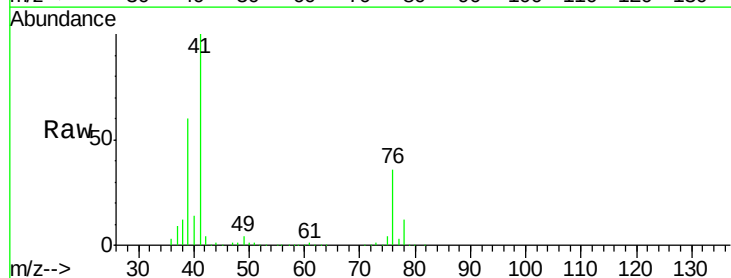
Tgt Ion: 41 Resp: 282201

Ion Ratio Lower Upper

41 100

39 57.8 56.8 85.2

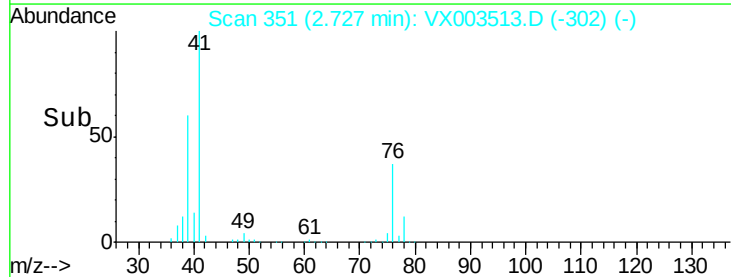
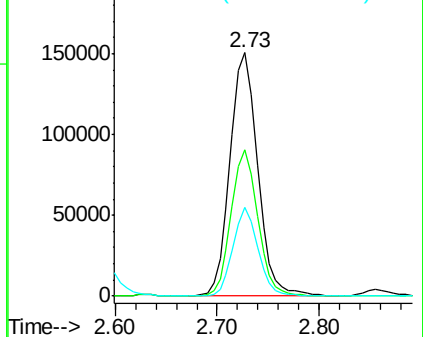
76 33.0 23.8 35.8

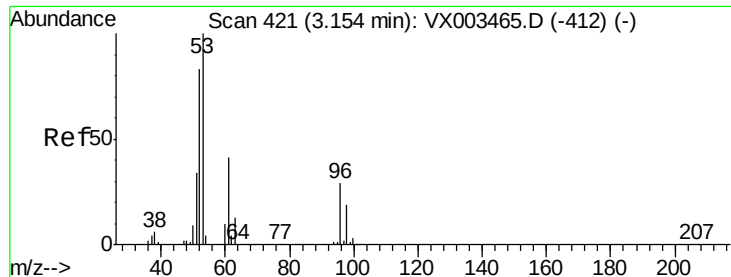


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 282.131 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

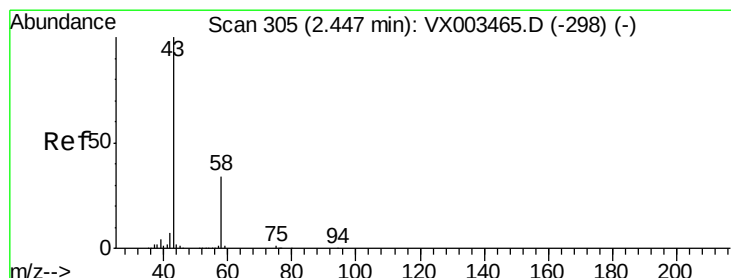
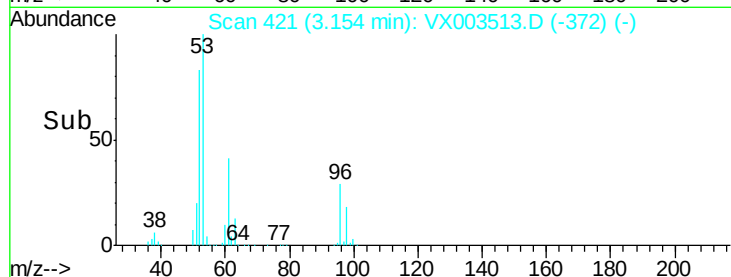
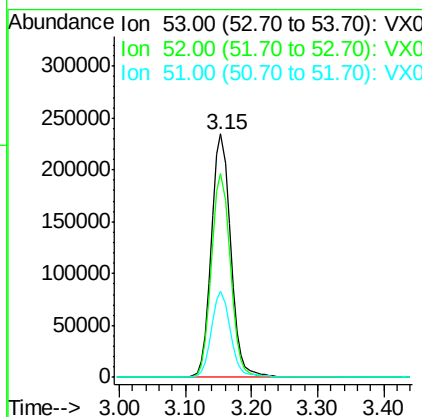
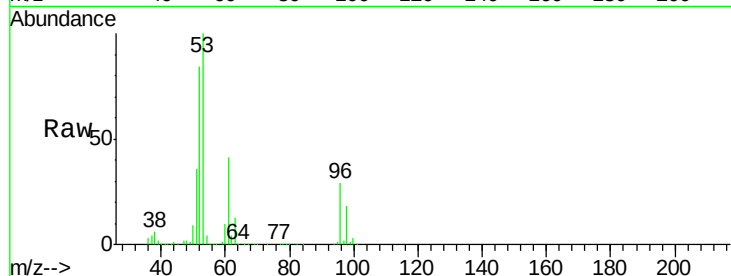
ClientSampled :

LF1-0034MS

Tgt Ion:	53	Resp:	475133
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.7	100.1
51	35.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 298.741 ug/l

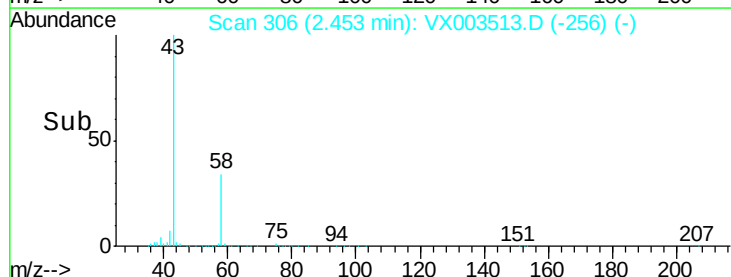
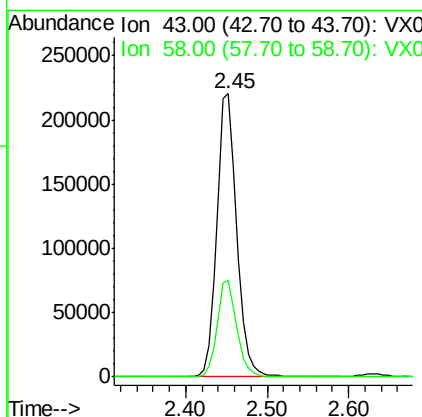
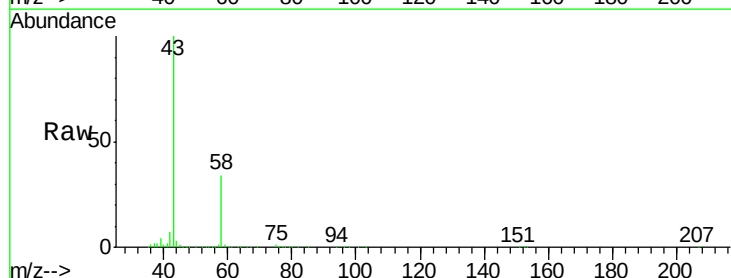
RT: 2.45 min Scan# 306

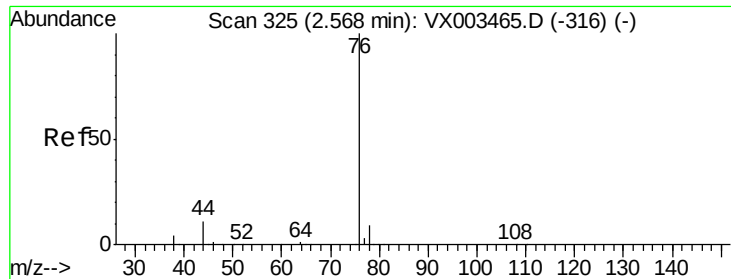
Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	43	Resp:	377212
Ion	Ratio	Lower	Upper
43	100		
58	34.0	22.1	33.1#





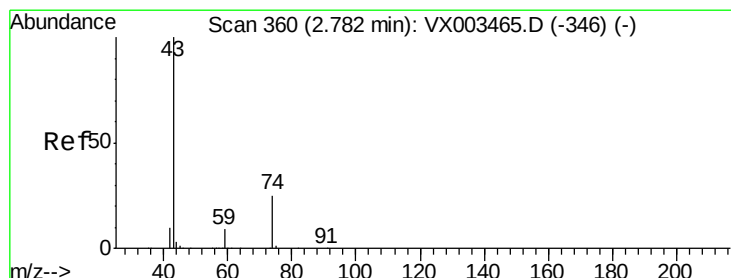
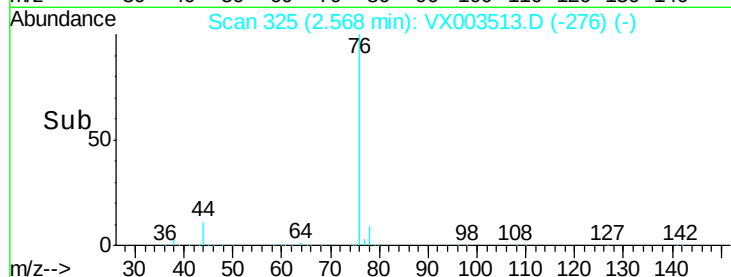
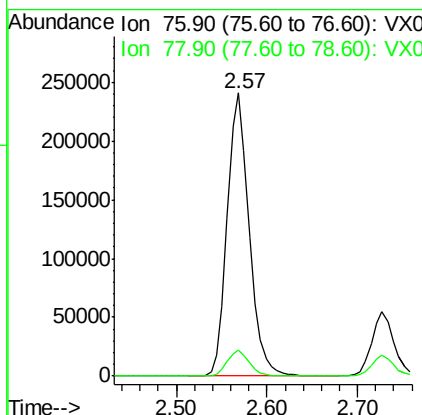
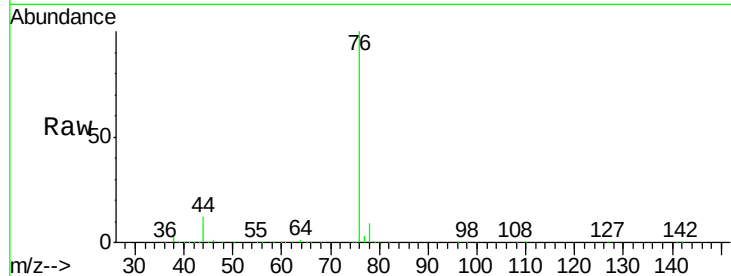
#17
Carbon Disulfide
Concen: 52.037 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

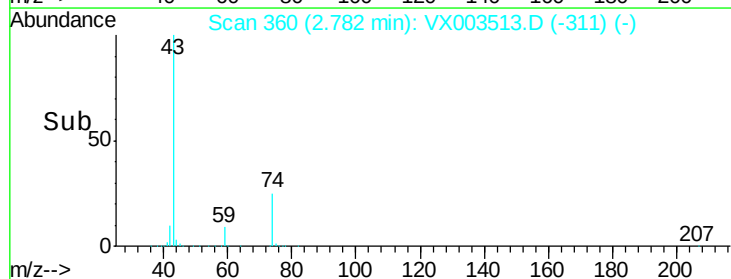
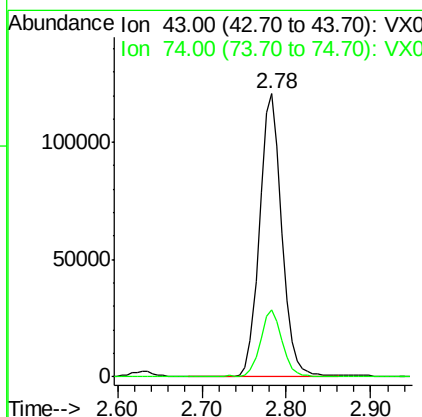
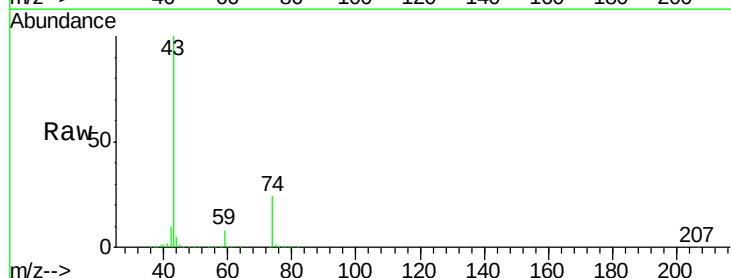
Manual Integrations
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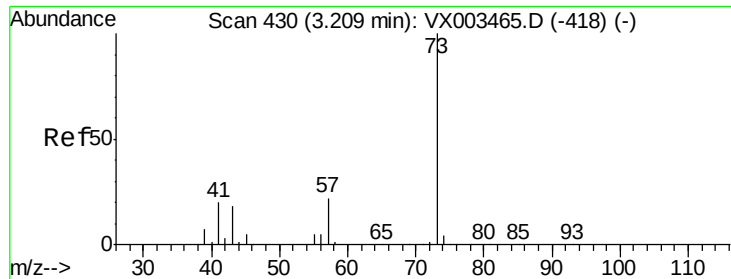
MMDadoda
7/31/2018 2:45:23 PM



#18
Methyl Acetate
Concen: 54.752 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	16.7	25.1





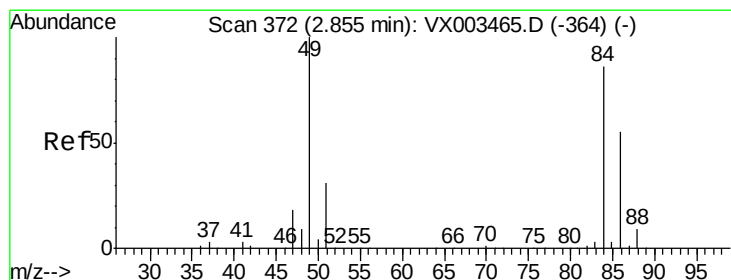
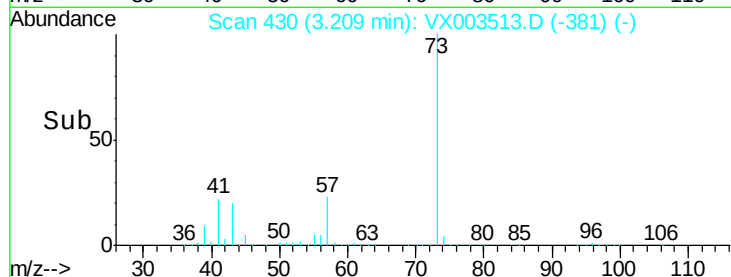
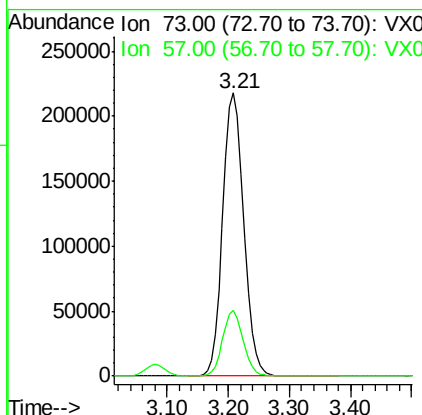
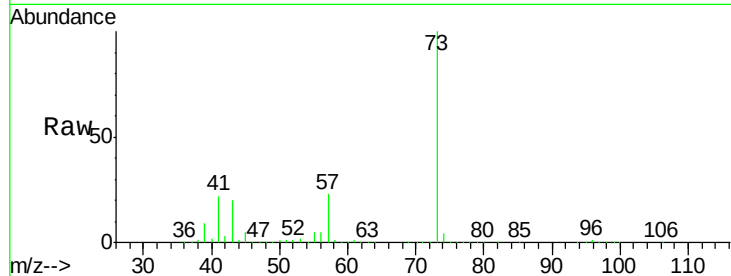
#19
Methyl tert-butyl Ether
Concen: 55.104 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tgt Ion: 73 Resp: 519001
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5

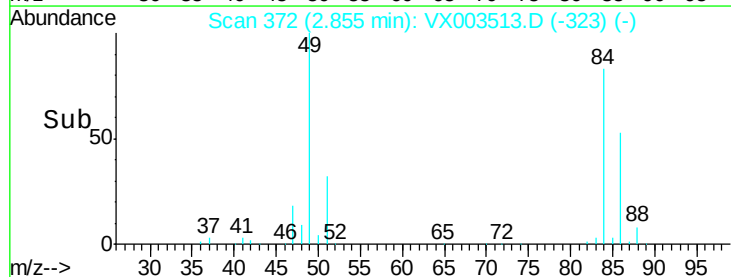
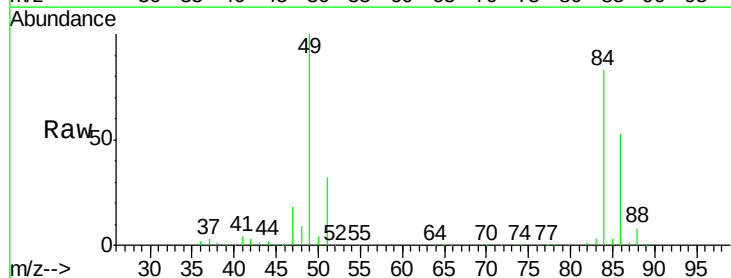
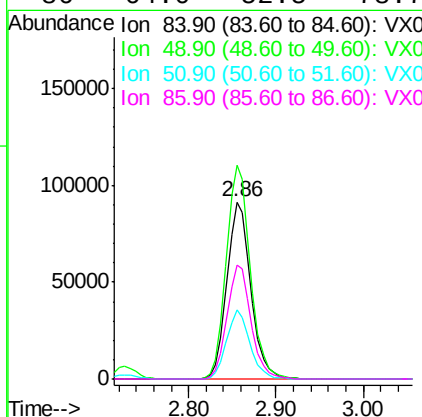
Manual Integrations
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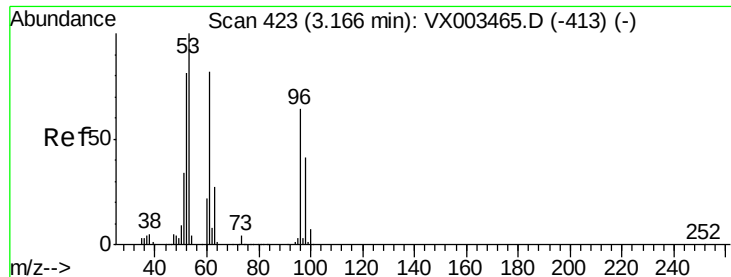
MMDadoda
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#20
Methylene Chloride
Concen: 56.293 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 84 Resp: 173461
Ion Ratio Lower Upper
84 100
49 120.4 107.8 161.6
51 38.8 32.8 49.2
86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.649 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

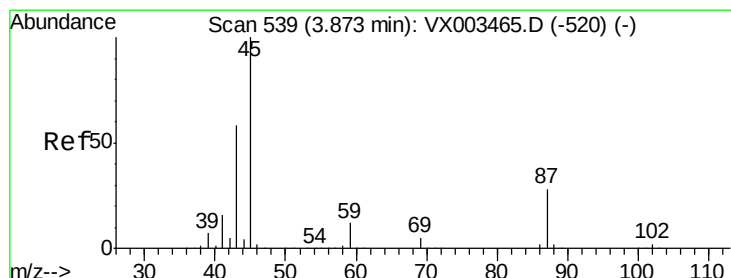
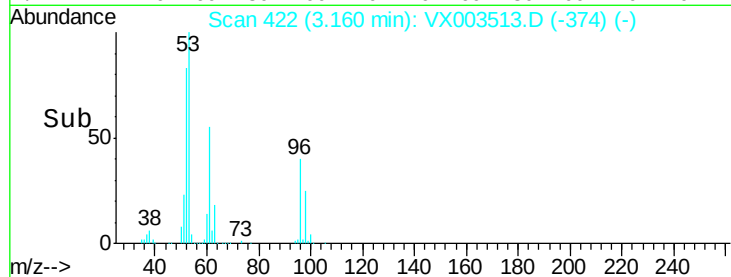
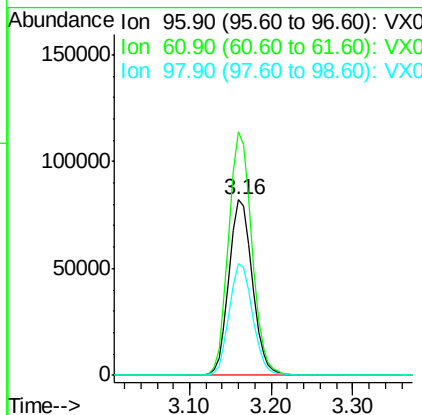
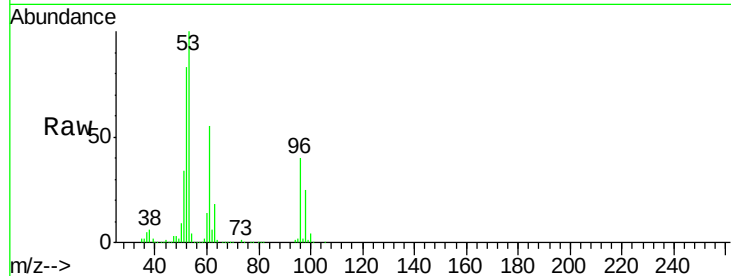
ClientSampled :

LF1-0034MS

Tgt Ion:	96	Resp:	162542
Ion Ratio	Lower	Upper	
96	100		
61	138.7	117.0	175.4
98	63.8	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.309 ug/l

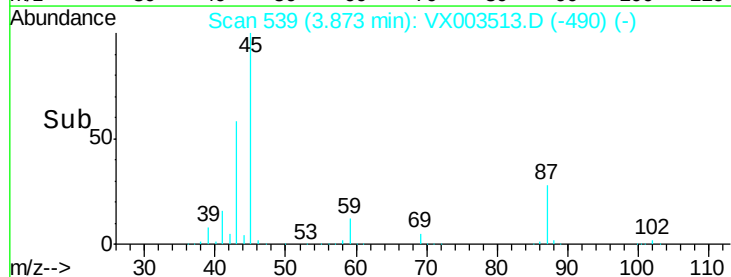
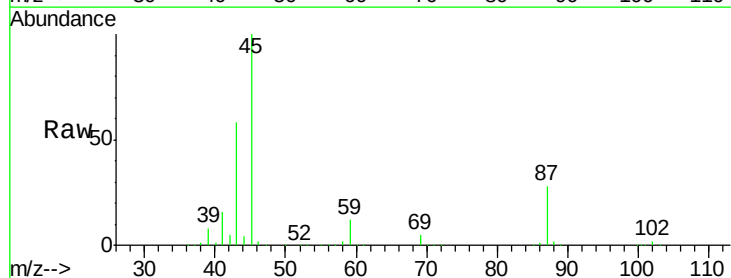
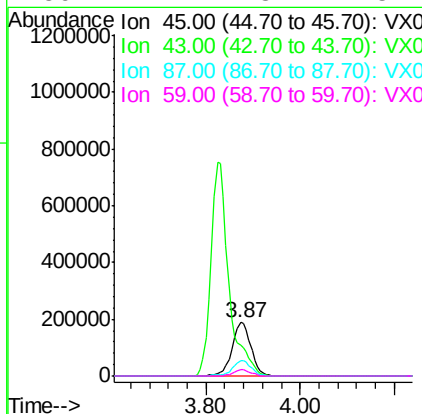
RT: 3.87 min Scan# 539

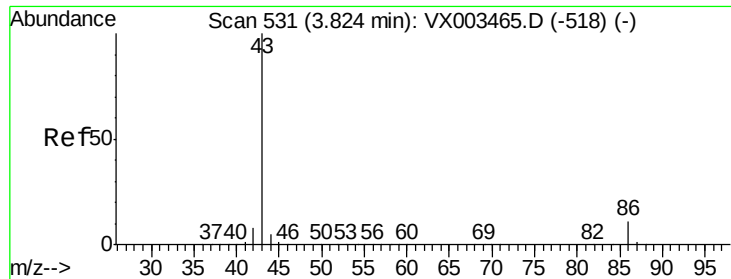
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	45	Resp:	521788
Ion Ratio	Lower	Upper	
45	100		
43	58.0	46.8	70.2
87	28.3	20.2	30.4
59	11.7	8.7	13.1





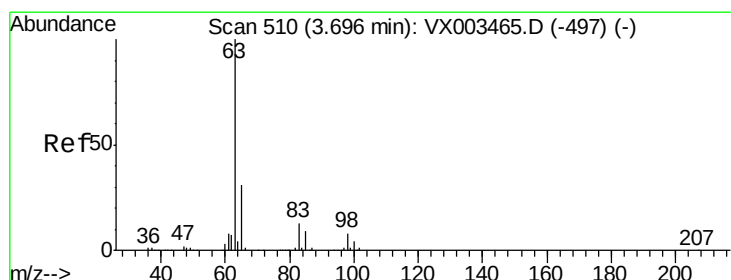
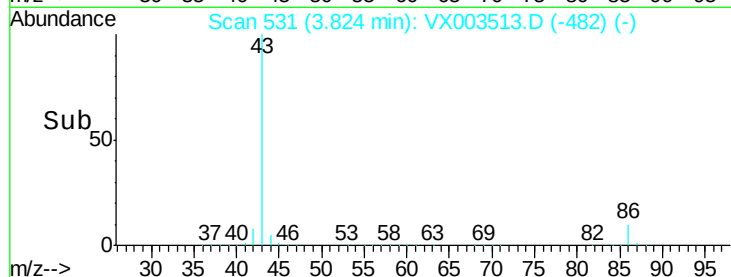
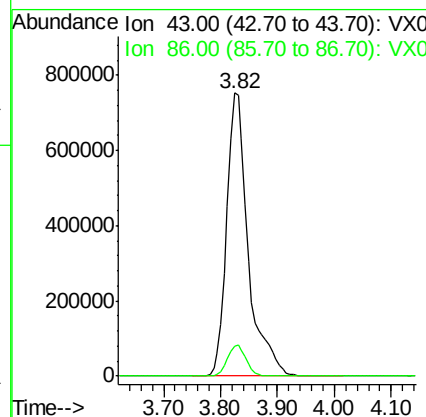
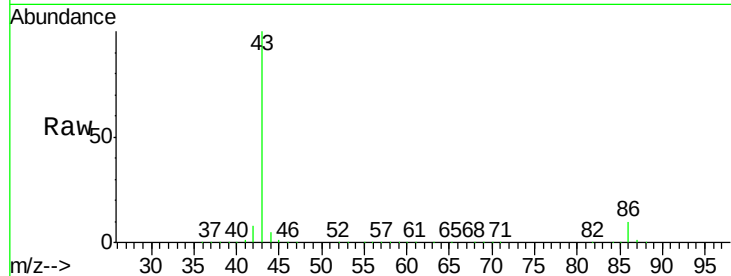
#23
 Vinyl Acetate
 Concen: 249.720 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tgt Ion: 43 Resp: 1976299
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.4 11.0

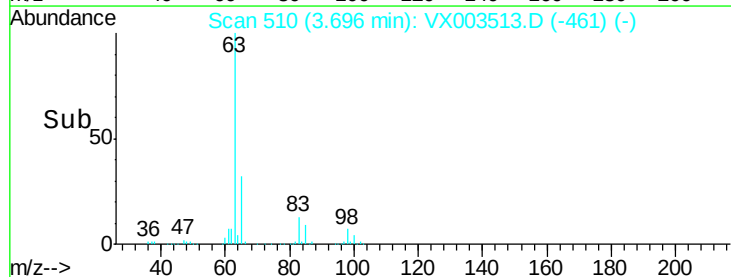
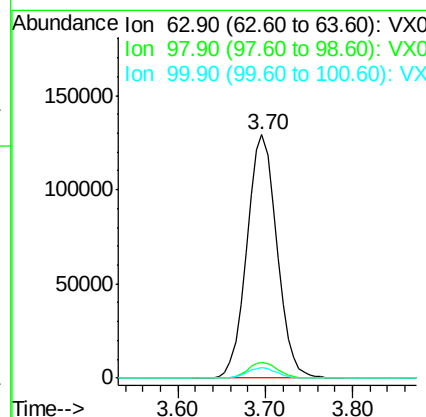
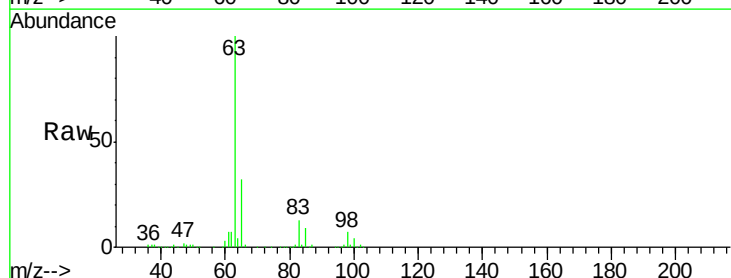
Manual Integrations
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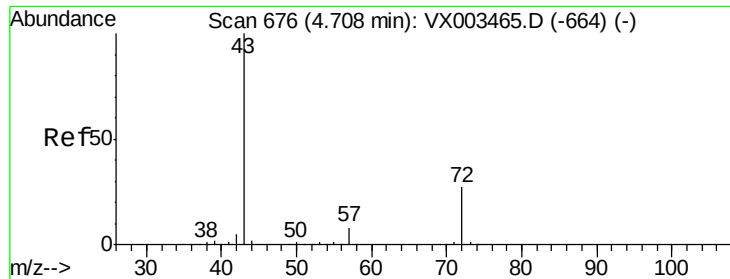
MMDadoda
 7/31/2018 2:45:23 PM



#24
 1,1-Dichloroethane
 Concen: 54.682 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 63 Resp: 308245
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 286.255 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tgt Ion: 43 Resp: 606442

Ion Ratio Lower Upper

43 100

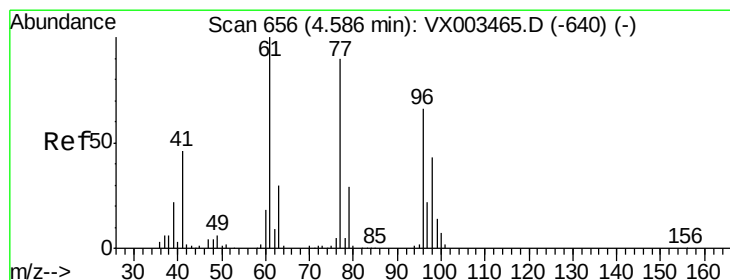
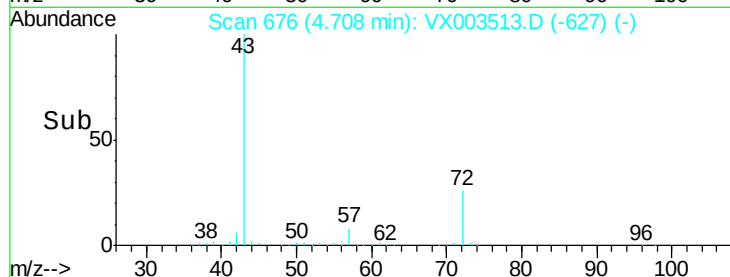
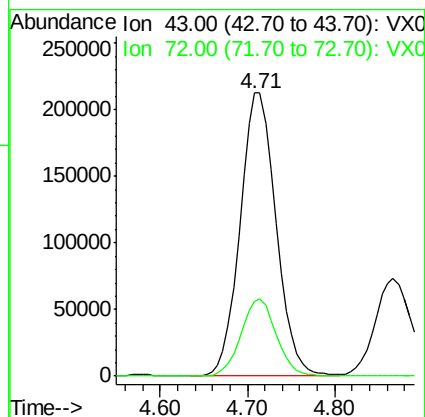
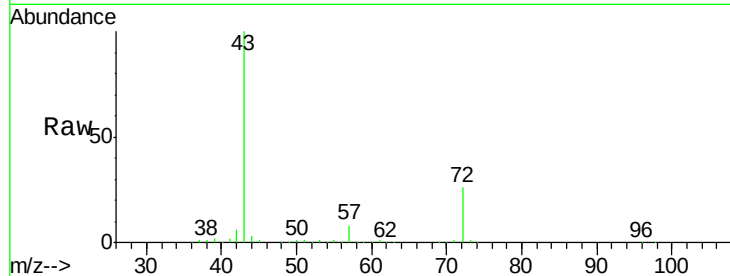
72 26.3 18.5 27.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 45.375 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003513.D

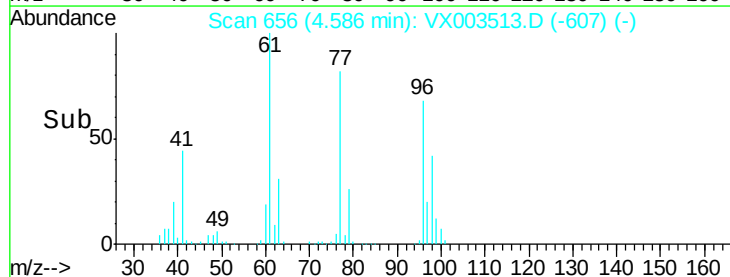
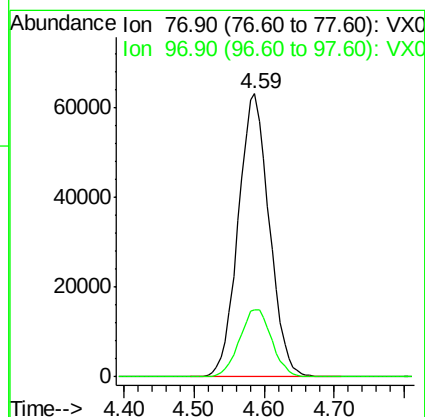
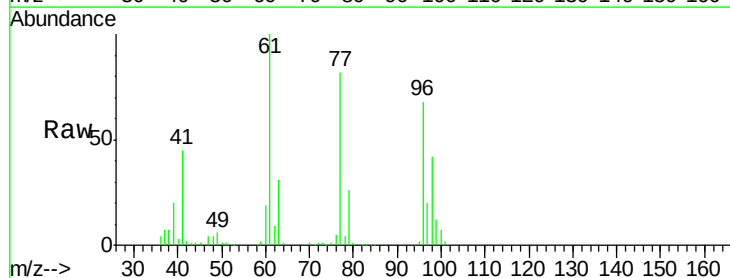
Acq: 20 Jul 2018 16:58

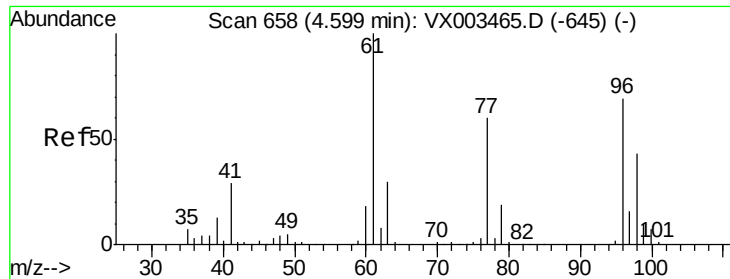
Tgt Ion: 77 Resp: 194267

Ion Ratio Lower Upper

77 100

97 24.7 11.2 33.5





#27

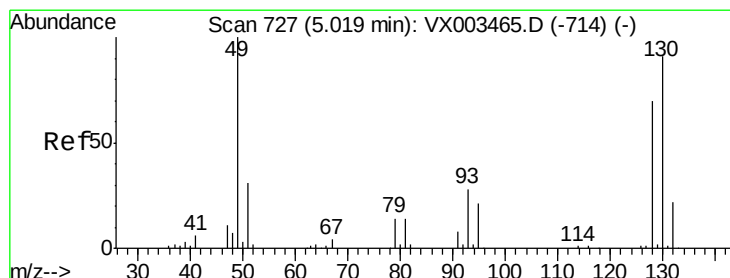
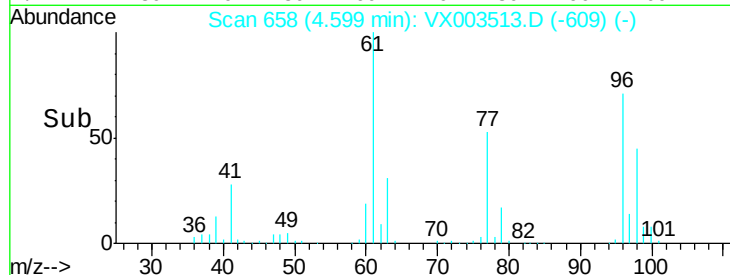
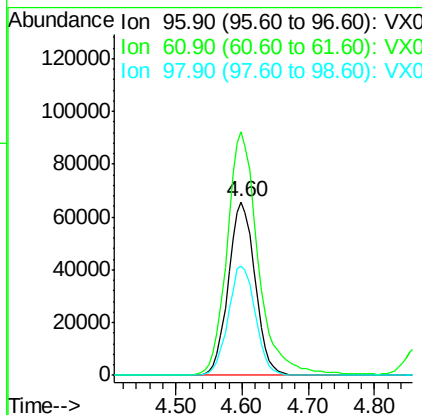
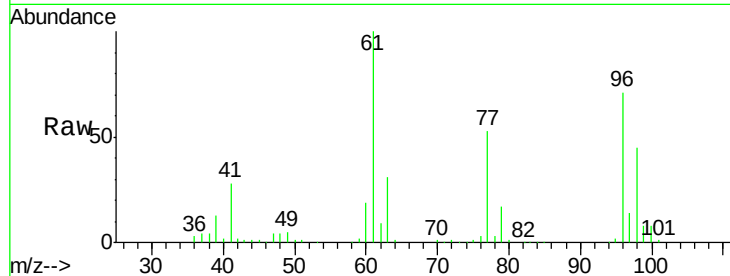
cis-1,2-Dichloroethene
Concen: 51.362 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	183530		
61	164.0	0.0	330.2	
98	64.1	0.0	130.2	

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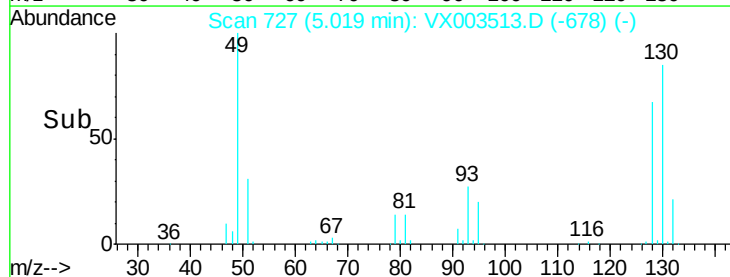
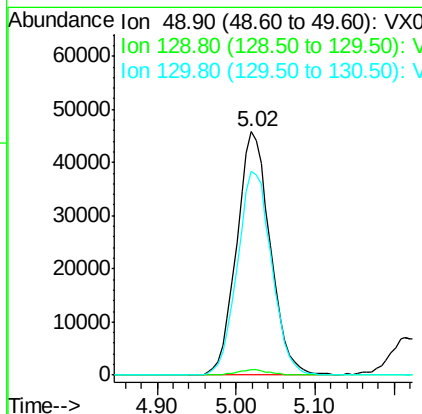
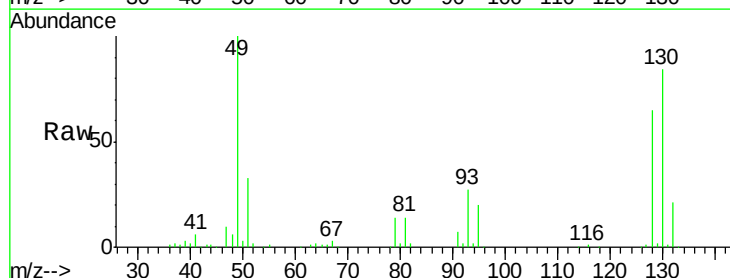
MMDadoda
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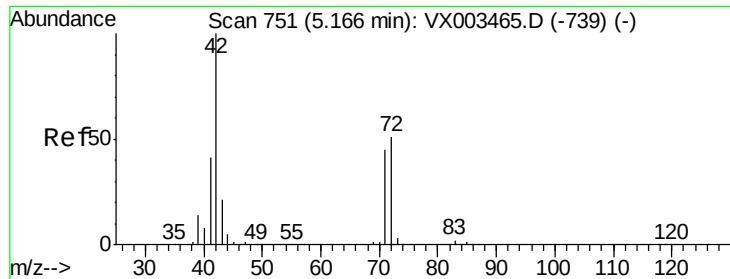


#28

Bromochloromethane
Concen: 54.964 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.5	61.2	91.8





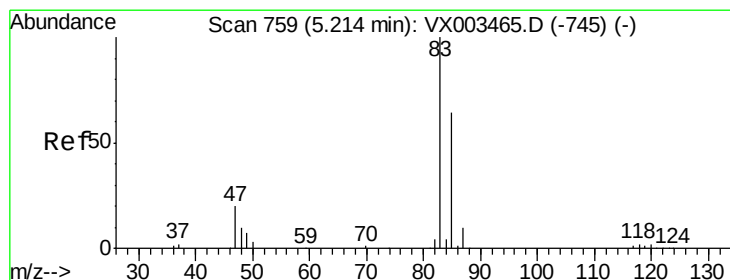
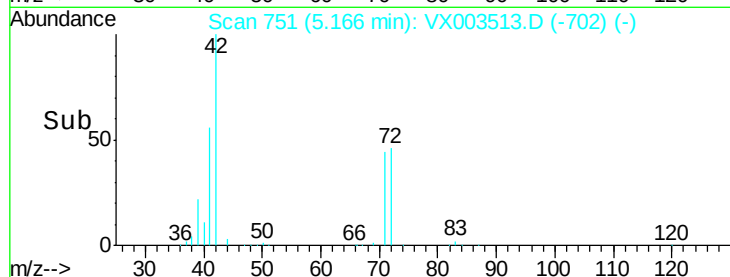
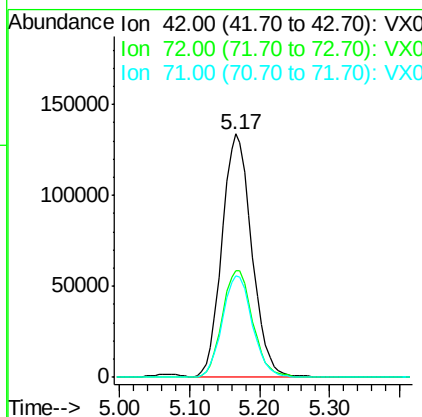
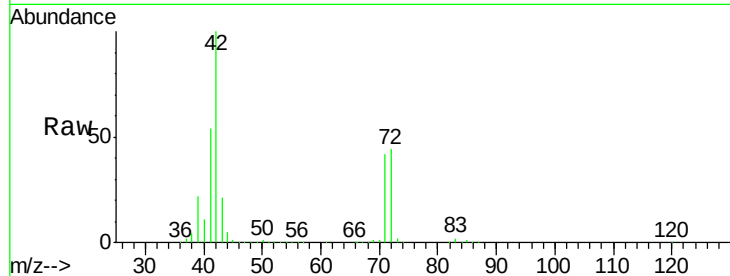
#29
Tetrahydrofuran
Concen: 282.064 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.2	32.0	48.0
71	42.2	30.1	45.1

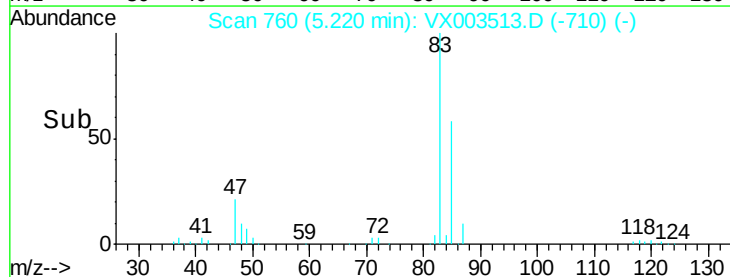
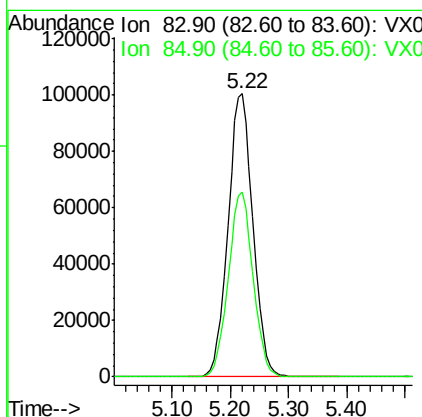
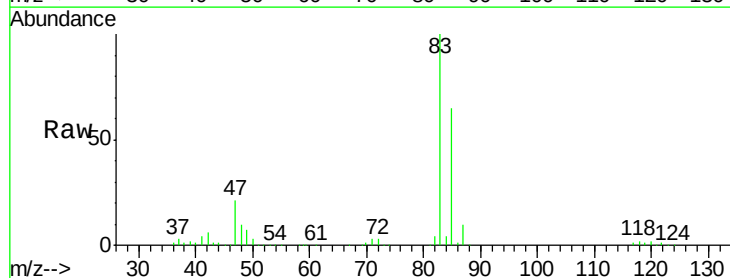
Manual Integrations
APPROVED

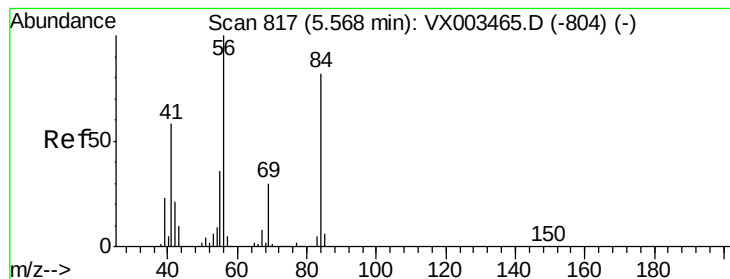
MMDadoda
7/31/2018 2:45:23 PM



#30
Chloroform
Concen: 53.910 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.4	75.6





#31

Cyclohexane

Concen: 51.788 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

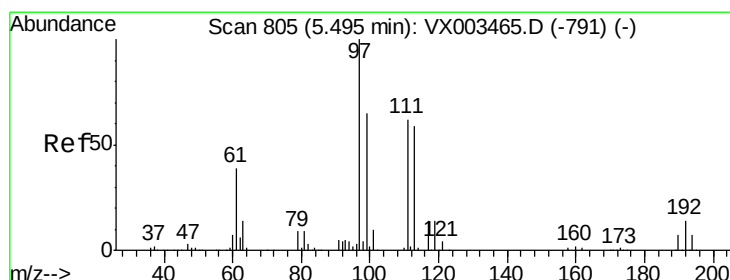
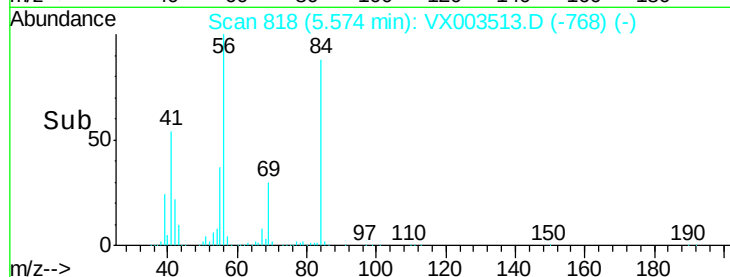
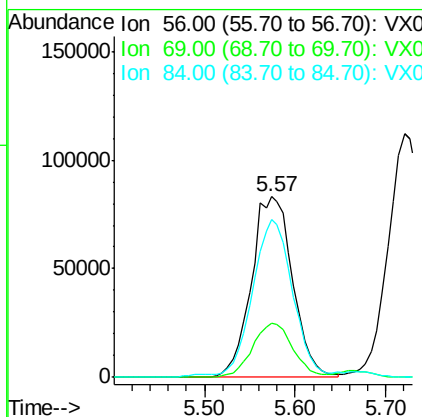
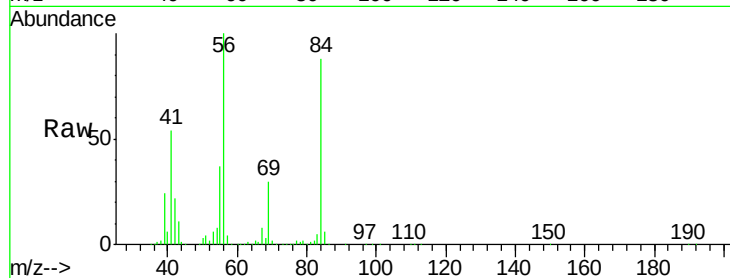
ClientSampleId :

LF1-0034MS

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.7	35.5
84	86.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.502 ug/l

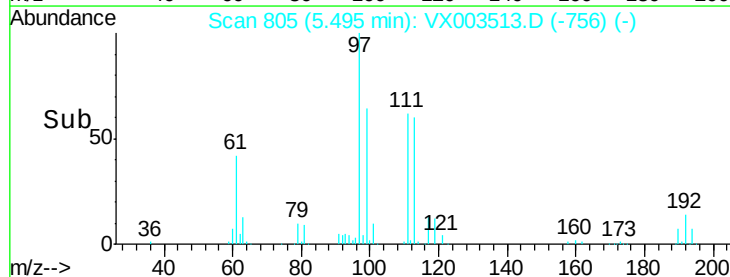
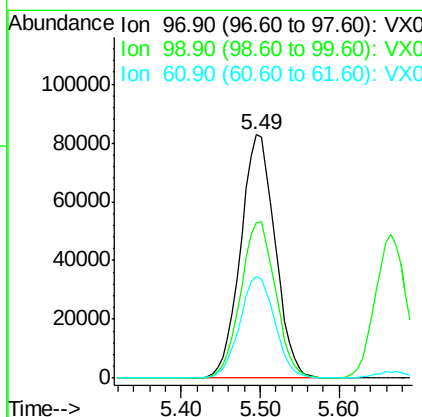
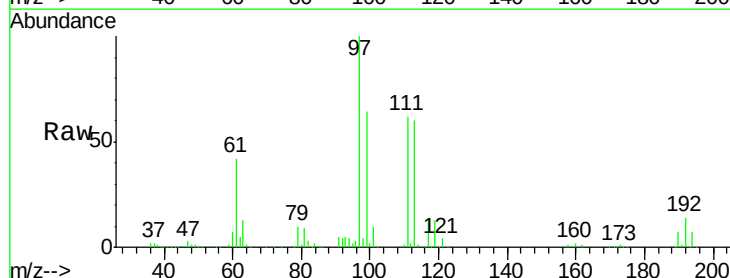
RT: 5.49 min Scan# 805

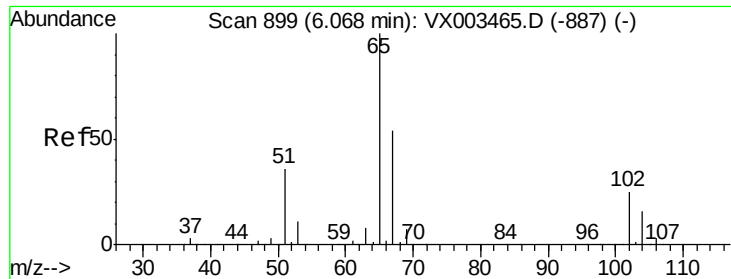
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	42.5	36.4	54.6





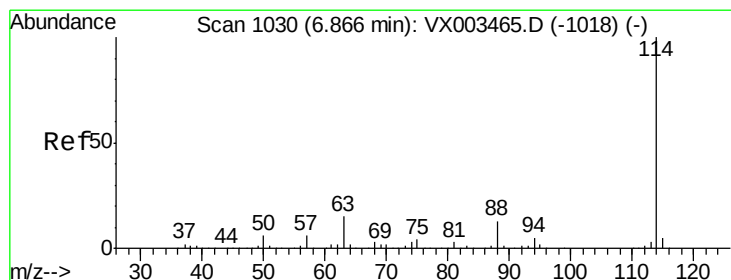
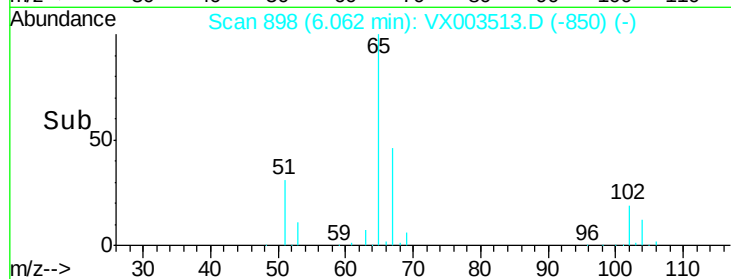
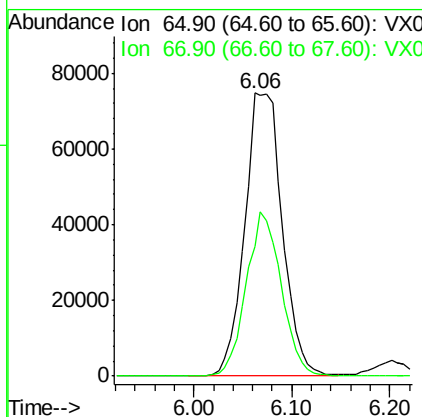
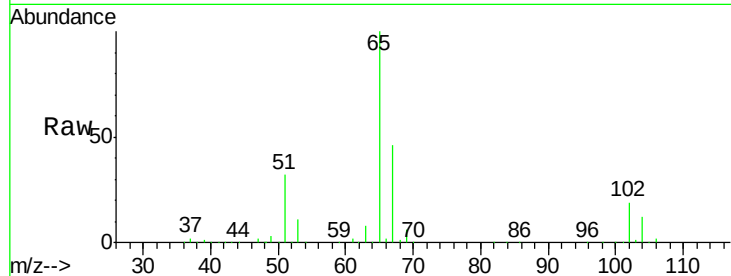
#33
 1,2-Dichloroethane-d4
 Concen: 59.751 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	199737		
67	54.2	0.0	102.6	

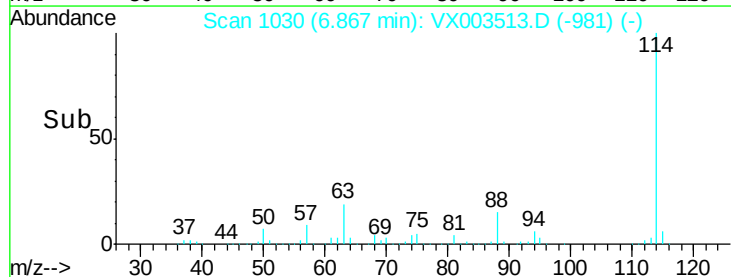
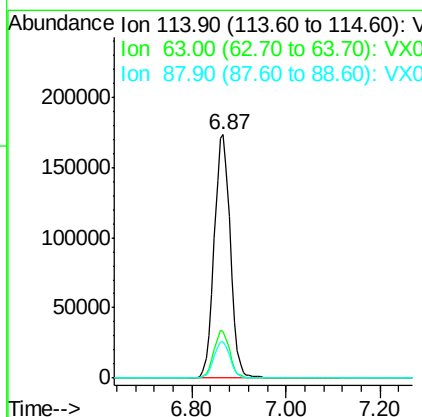
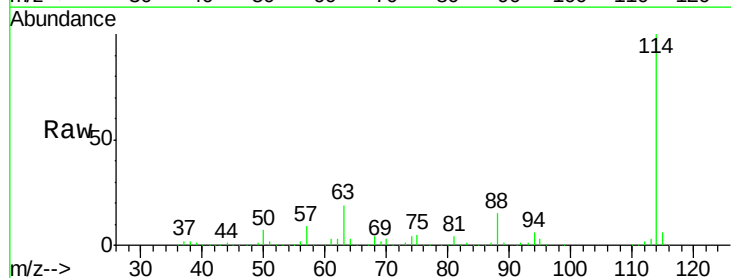
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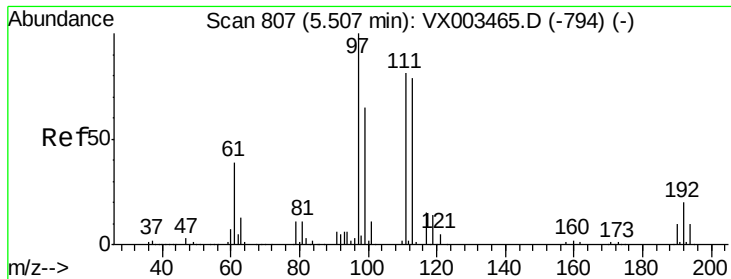
MMDadoda
 7/31/2018 2:45:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	409901		
63	19.2	0.0	41.4	
88	14.8	0.0	30.0	





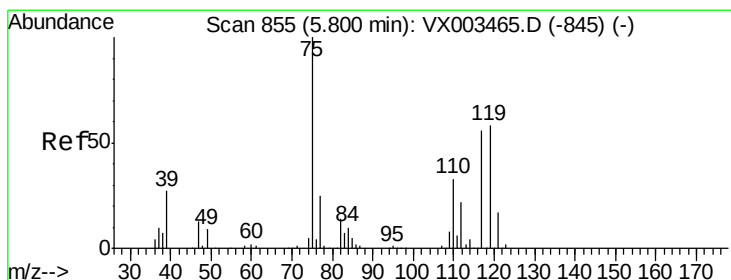
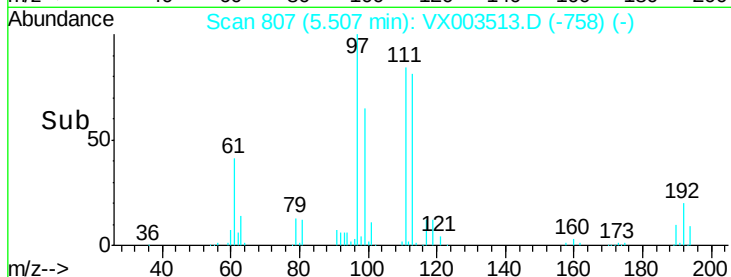
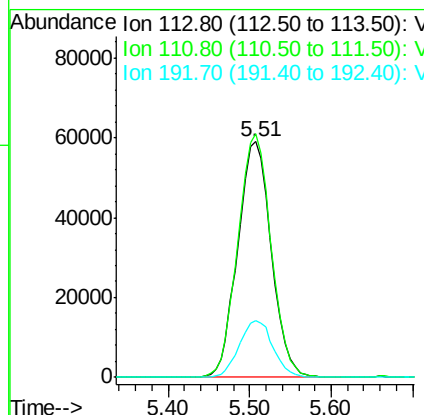
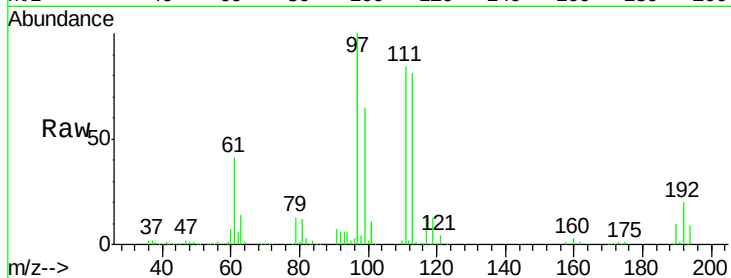
#35
 Dibromofluoromethane
 Concen: 54.010 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	168626		
111	102.5	81.4	122.0	
192	24.1	19.1	28.7	

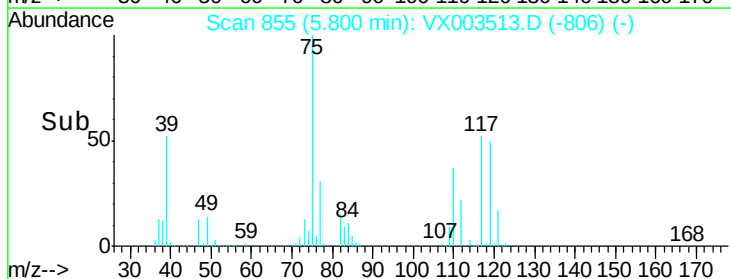
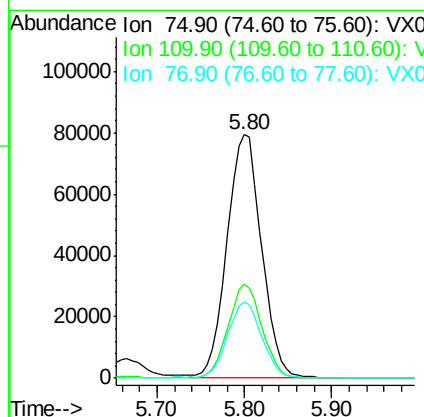
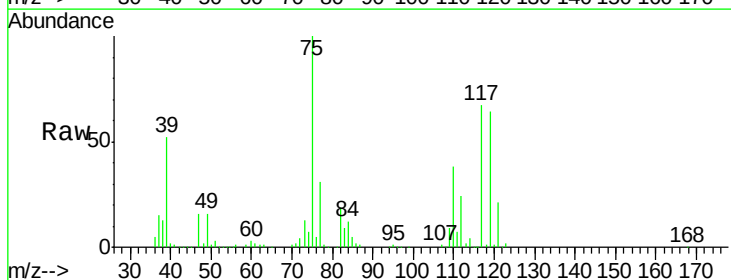
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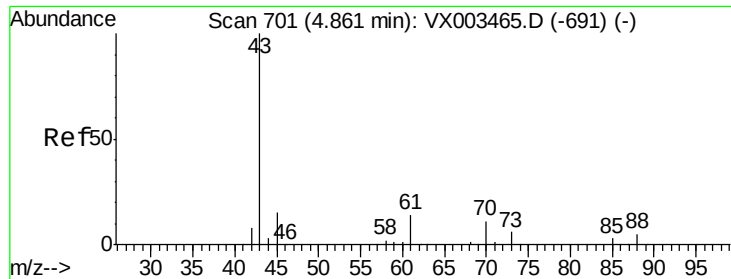
MMDadoda
 7/31/2018 2:45:23 PM



#36
 1,1-Dichloropropene
 Concen: 48.988 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	216800		
110	38.1	18.1	54.4	
77	31.1	24.3	36.5	





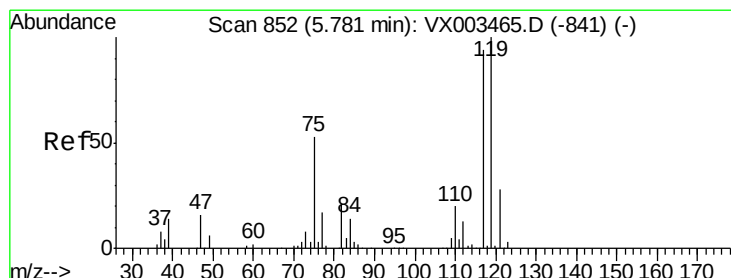
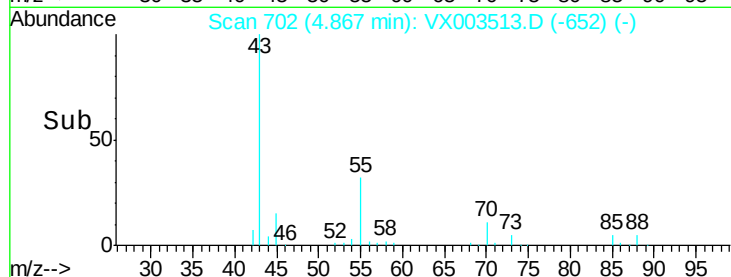
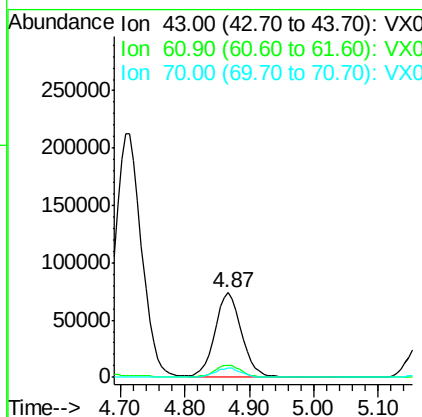
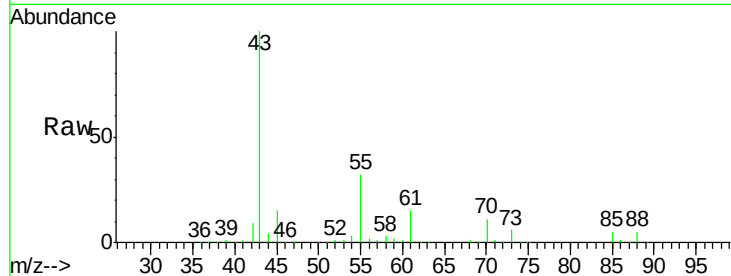
#37
Ethyl Acetate
Concen: 51.090 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.4	15.6
70	10.8	7.6	11.4

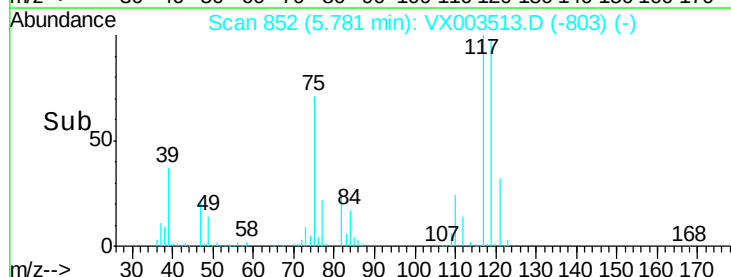
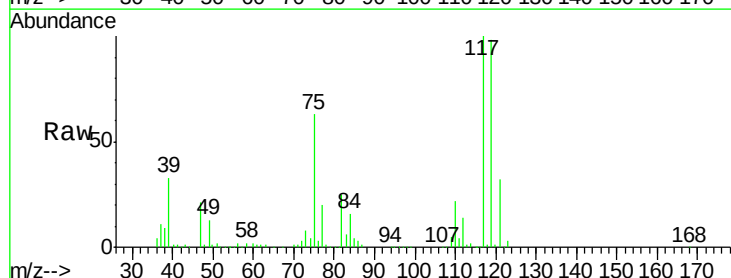
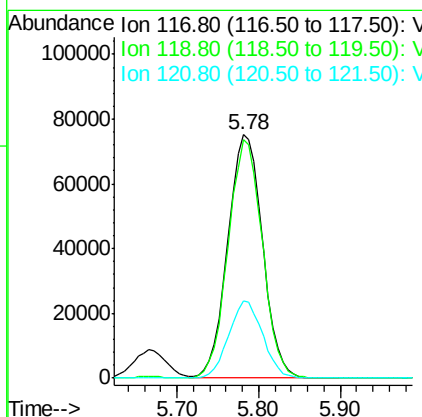
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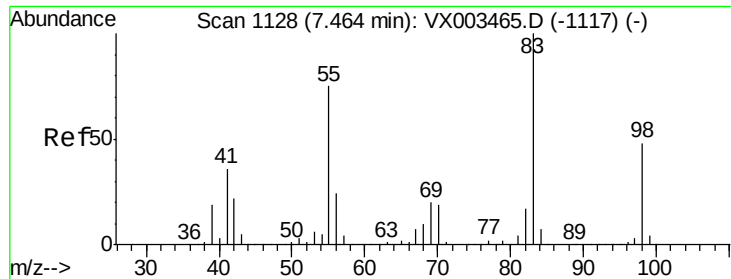
MMDadoda
7/31/2018 2:45:23 PM



#38
Carbon Tetrachloride
Concen: 50.968 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
121	31.5	24.4	36.6





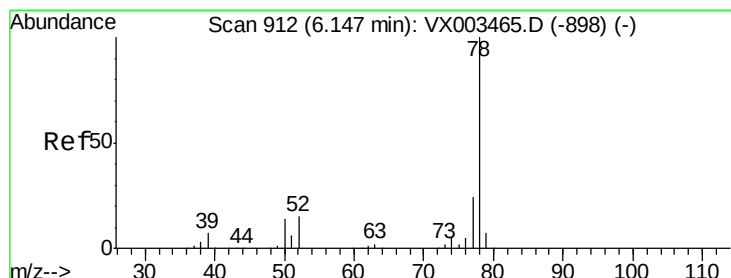
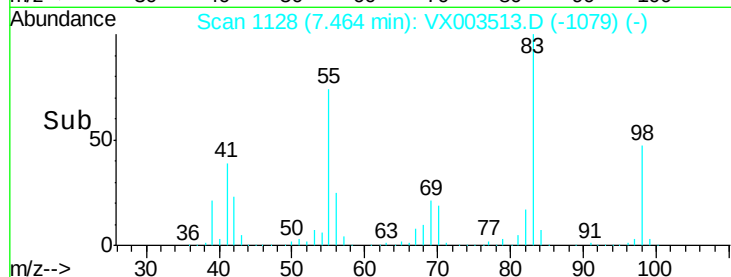
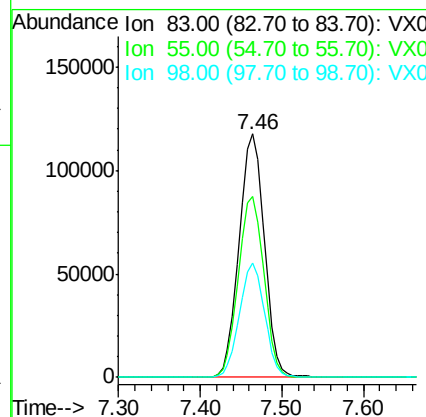
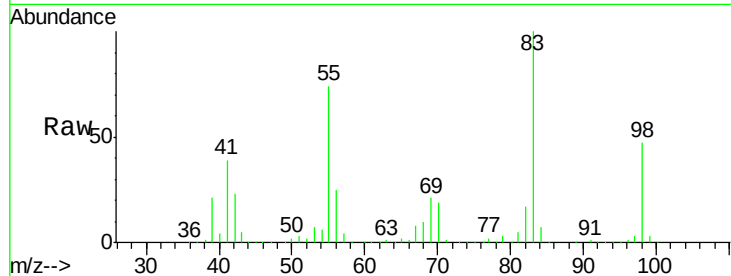
#39
Methylcyclohexane
Concen: 47.996 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	251579		
55	74.0	65.4	98.0	
98	47.2	37.4	56.0	

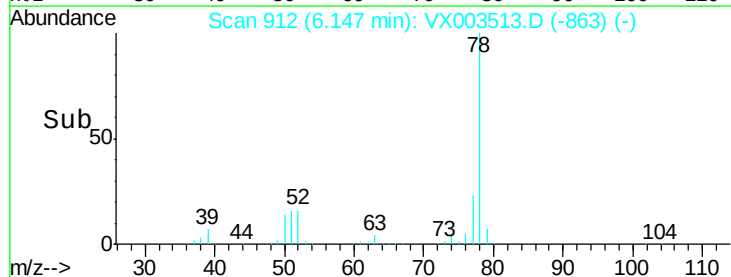
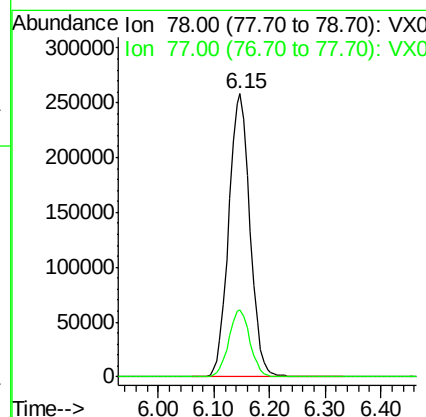
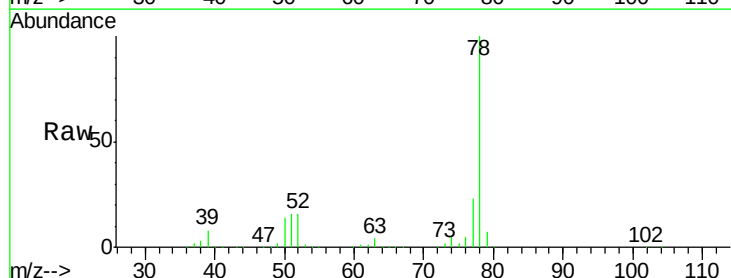
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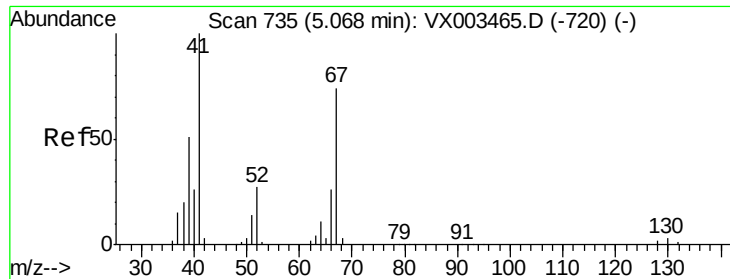
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#40
Benzene
Concen: 50.942 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	680678		
77	23.5	19.1	28.7	





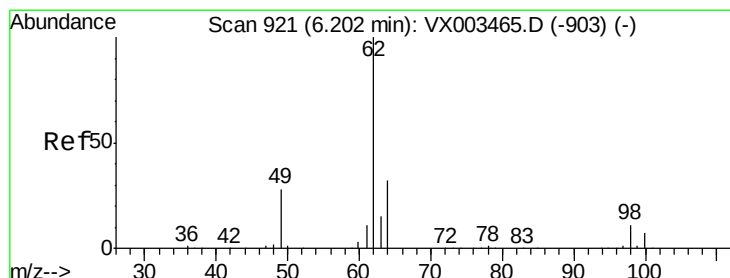
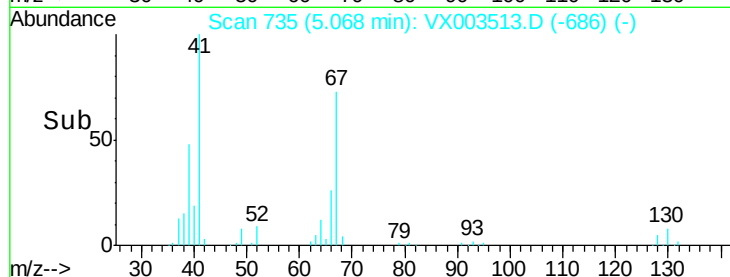
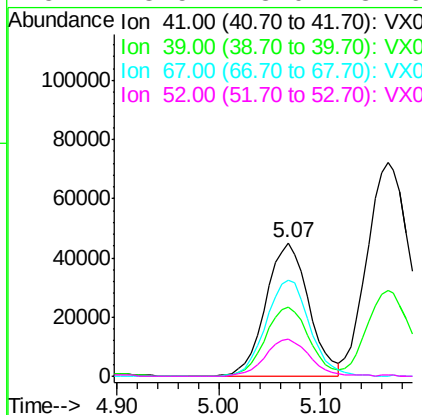
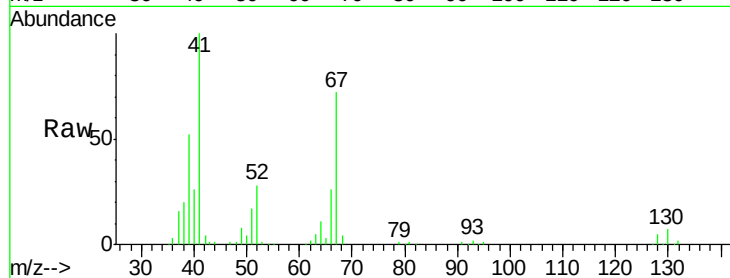
#41
Methacrylonitrile
Concen: 53.363 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	45.8	68.6	
67	73.4	51.3	76.9	
52	28.5	23.0	34.6	

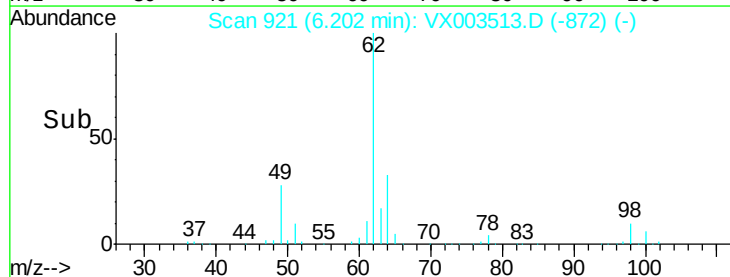
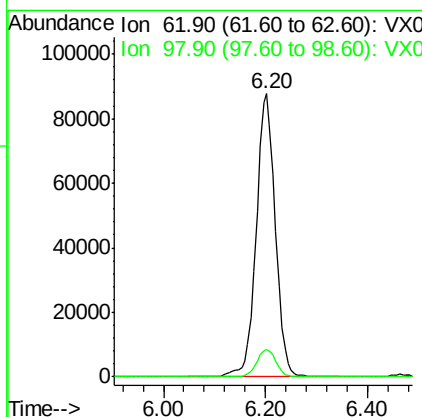
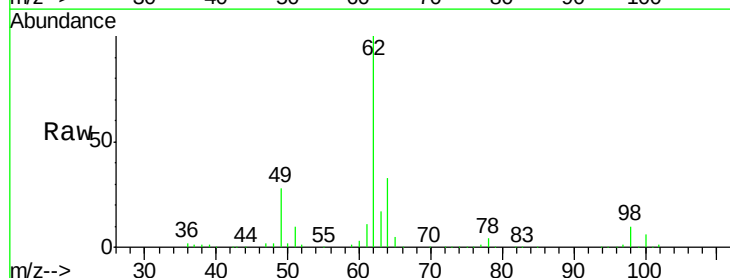
Manual Integrations
APPROVED

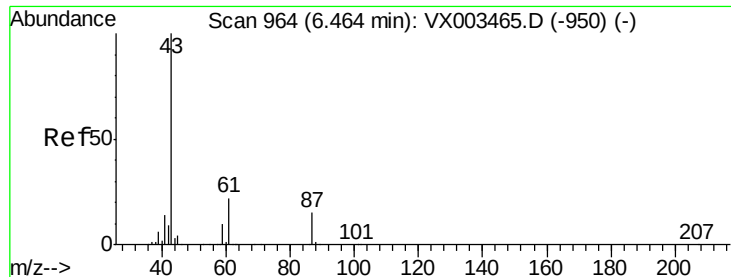
MMDadoda
7/31/2018 2:45:23 PM



#42
1,2-Dichloroethane
Concen: 54.018 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	16.6	





#43

Isopropyl Acetate

Concen: 52.529 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

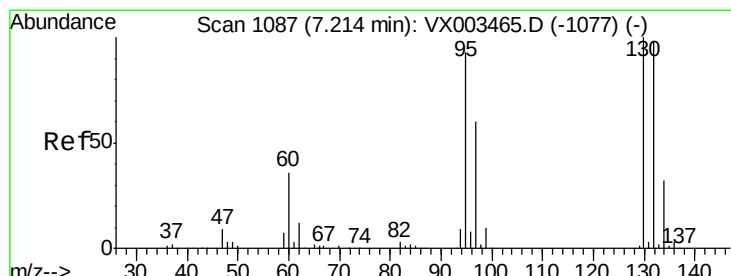
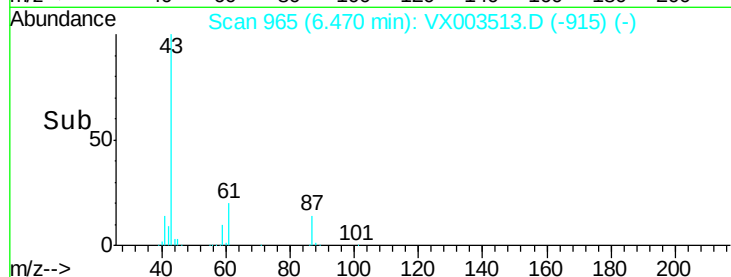
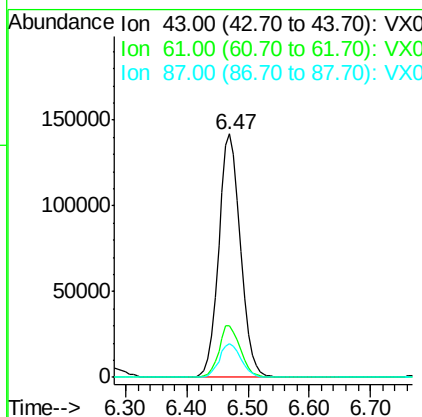
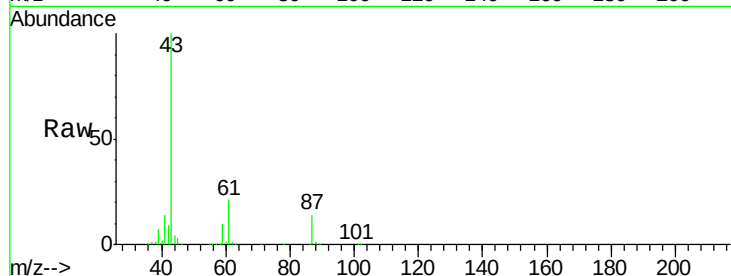
ClientSampleId :

LF1-0034MS

Tgt Ion:	43	Resp:	349930
Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.4	21.6
87	13.9	9.5	14.3

Manual Integrations
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7/31/2018 2:45:23 PM



#44

Trichloroethene

Concen: 48.229 ug/l

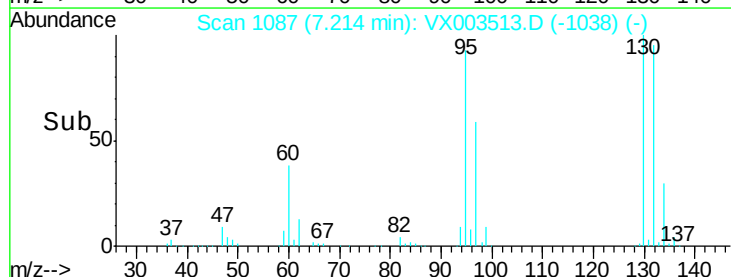
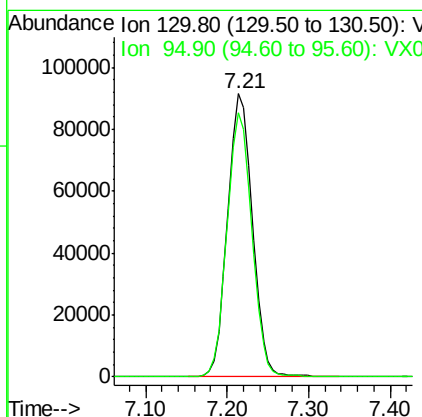
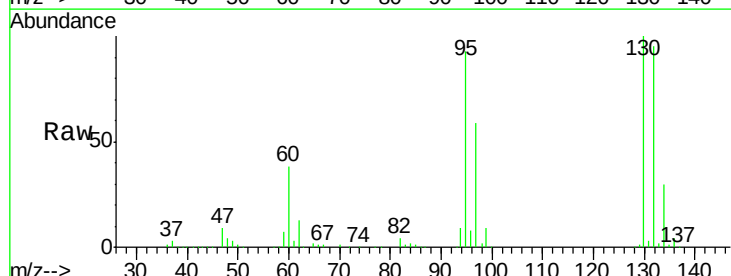
RT: 7.21 min Scan# 1087

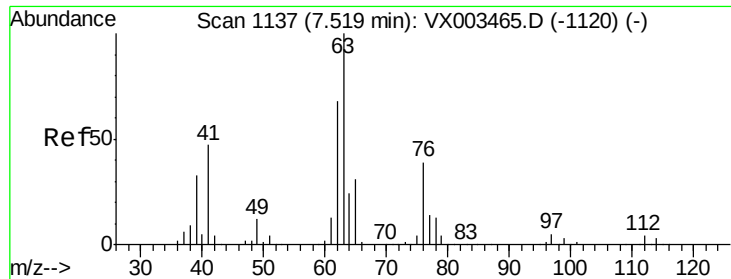
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	130	Resp:	192185
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	185.4





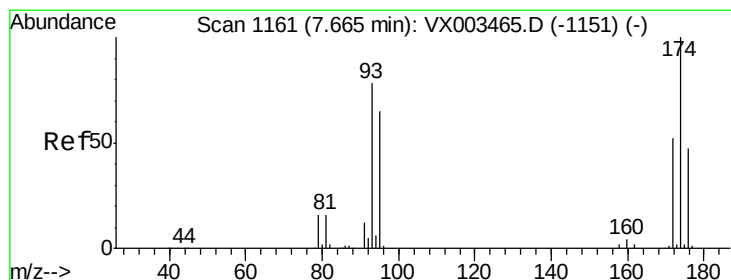
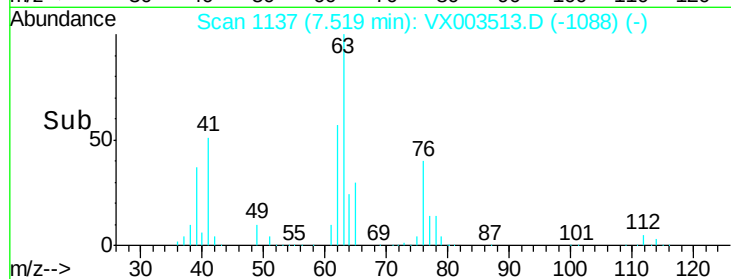
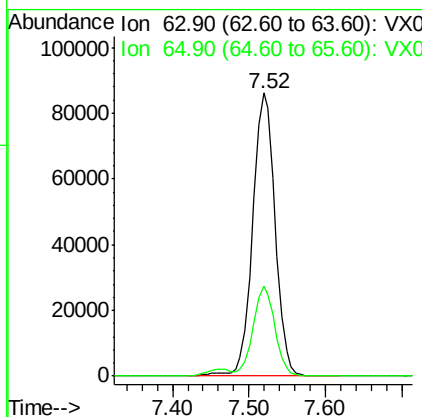
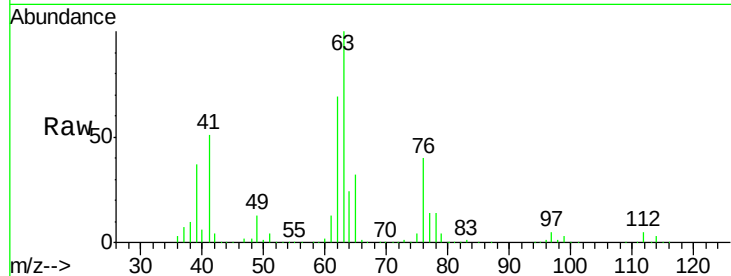
#45
 1,2-Dichloropropane
 Concen: 52.126 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampled :
 LF1-0034MS

Tgt Ion: 63 Resp: 176856
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1

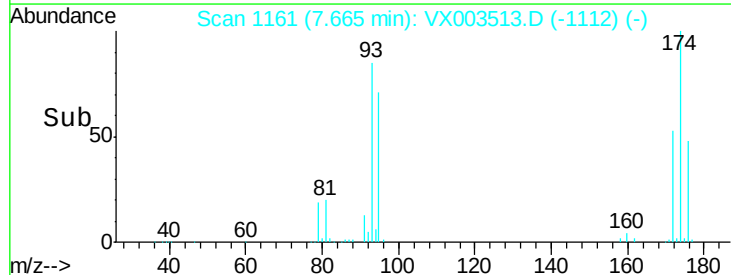
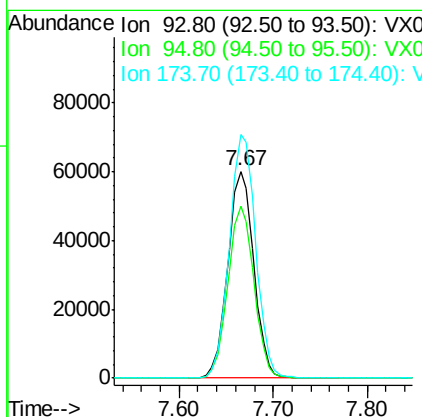
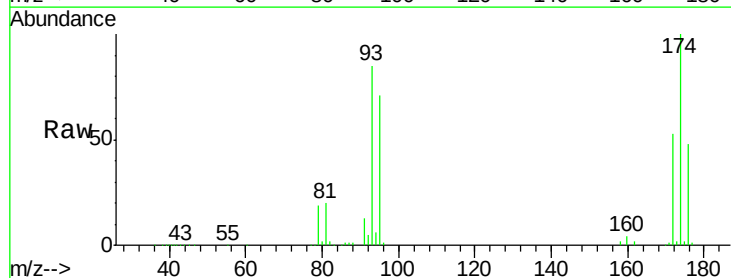
Manual Integrations
 APPROVED

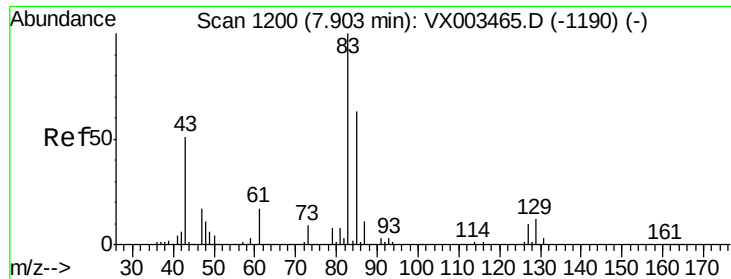
MMDadoda
 7/31/2018 2:45:23 PM



#46
 Dibromomethane
 Concen: 52.860 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 93 Resp: 115461
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.9 98.9
 174 119.2 92.4 138.6





#47

Bromodichloromethane

Concen: 54.485 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

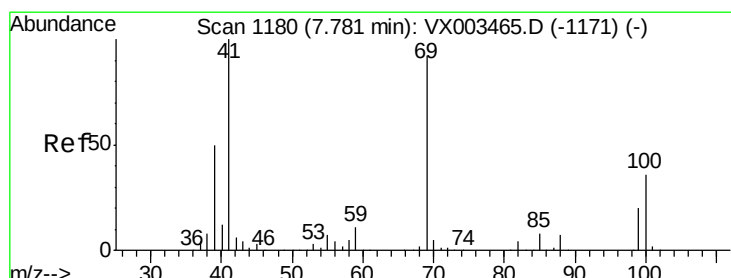
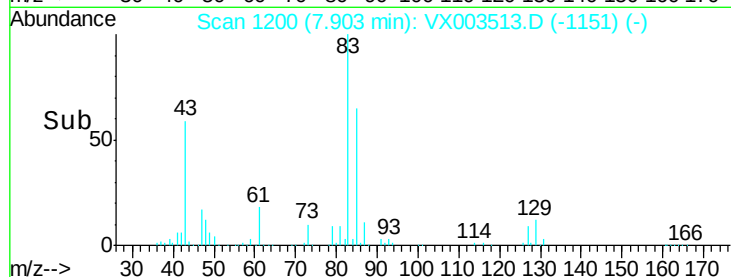
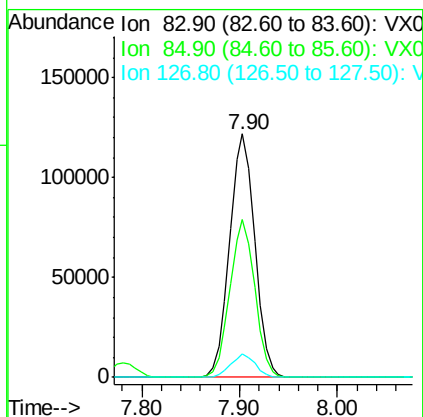
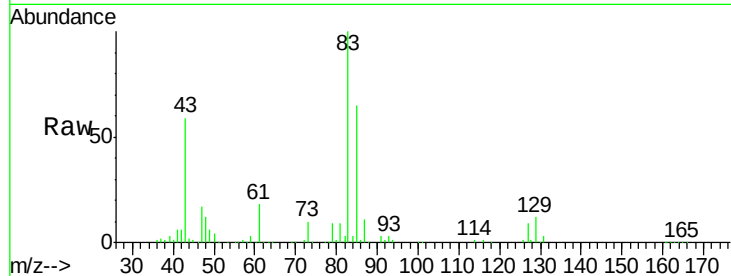
ClientSampled :

LF1-0034MS

Tgt Ion:	83	Resp:	217874
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
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MMDadoda
7/31/2018 2:45:23 PM



#48

Methyl methacrylate

Concen: 56.690 ug/l

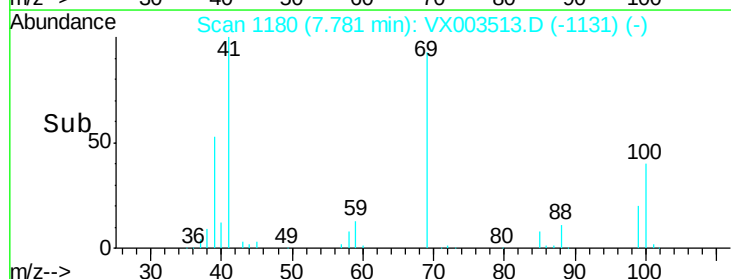
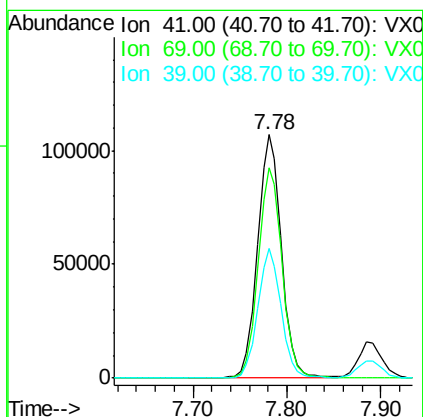
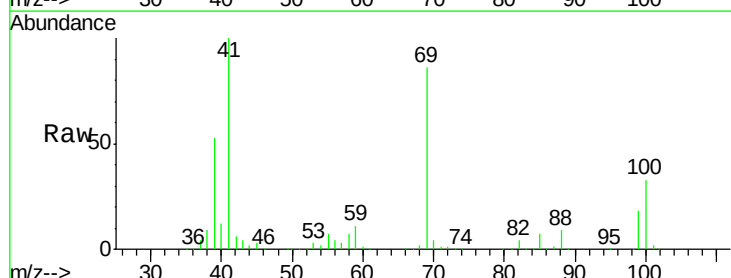
RT: 7.78 min Scan# 1180

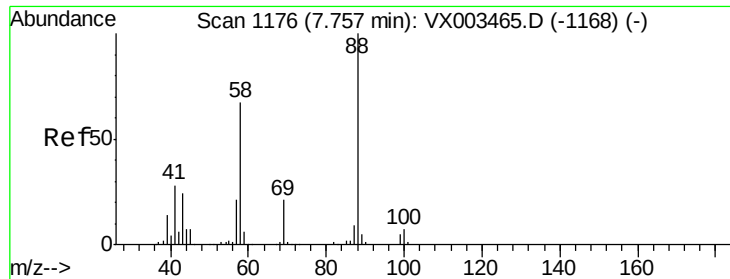
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	41	Resp:	190447
Ion	Ratio	Lower	Upper
41	100		
69	87.3	59.1	88.7
39	51.8	48.9	73.3





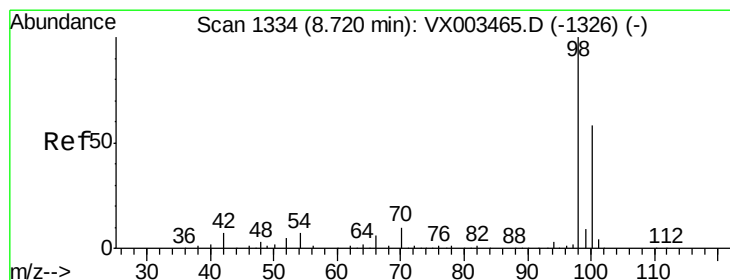
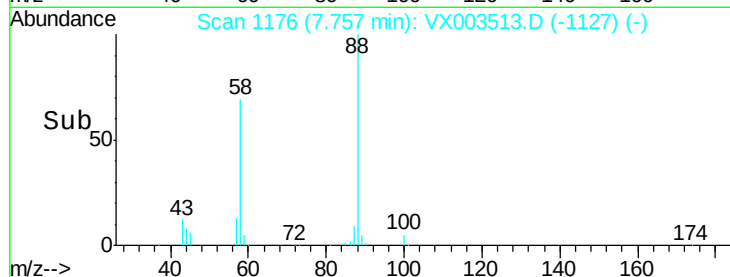
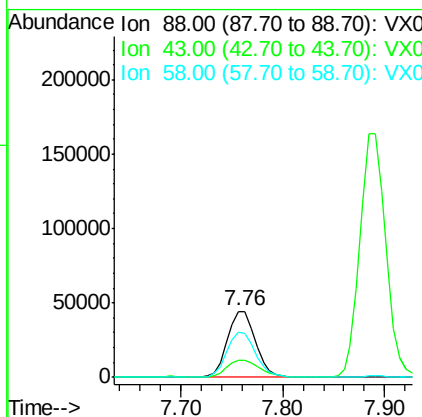
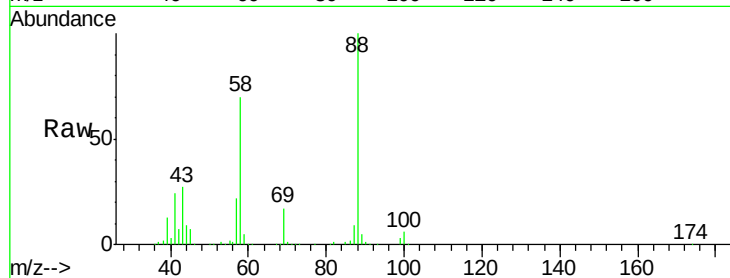
#49
1,4-Dioxane
Concen: 1115.053 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.9	29.8	44.6	
58	71.0	57.1	85.7	

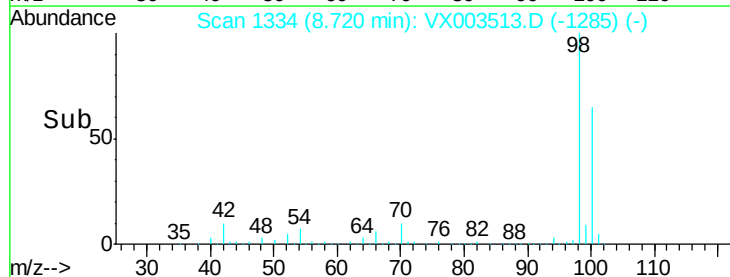
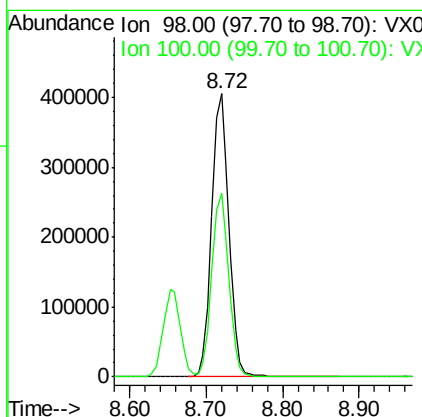
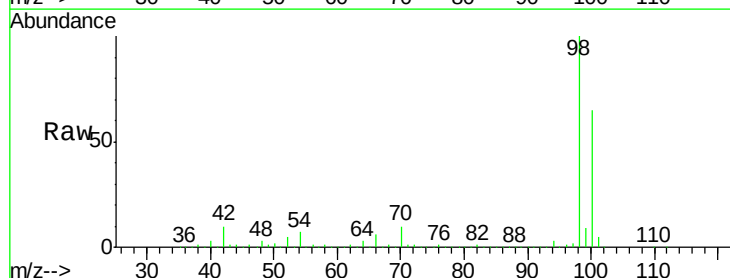
Manual Integrations
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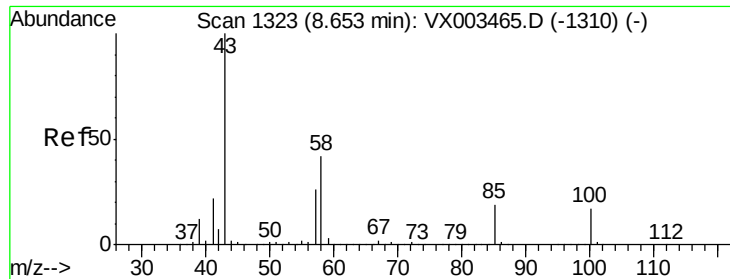
MMDadoda
7/31/2018 2:45:23 PM



#50
Toluene-d8
Concen: 53.983 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 288.542 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

Tgt Ion: 43 Resp: 1214340

Ion Ratio Lower Upper

43 100

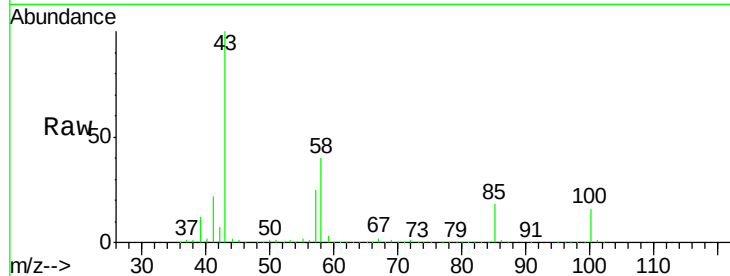
58 40.1 28.6 42.8

Manual Integrations

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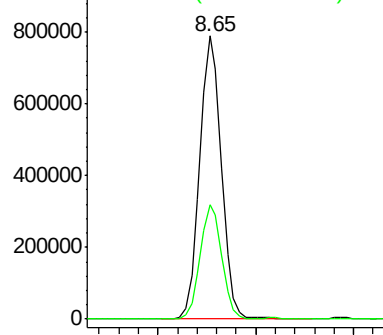
MMDadoda

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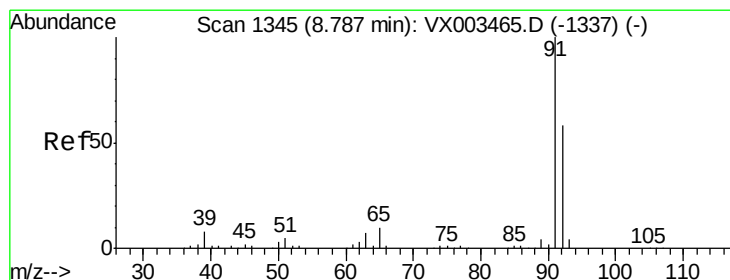
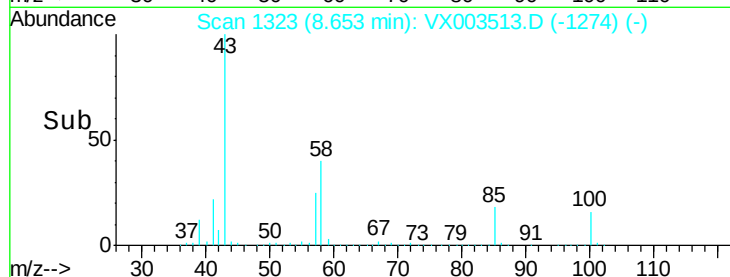


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 51.229 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003513.D

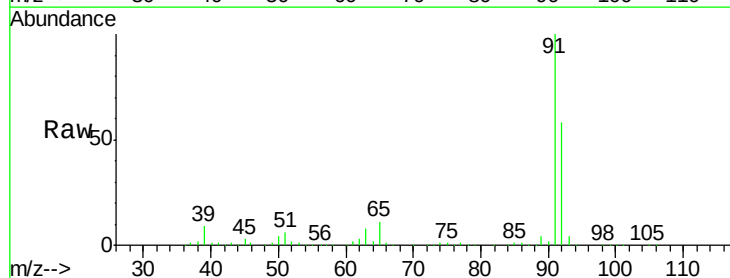
Acq: 20 Jul 2018 16:58

Tgt Ion: 92 Resp: 430876

Ion Ratio Lower Upper

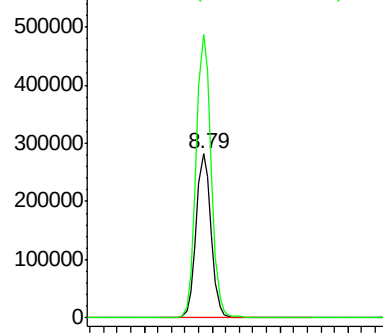
92 100

91 173.8 140.4 210.6

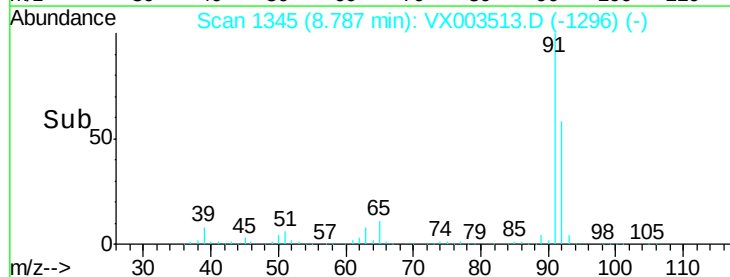


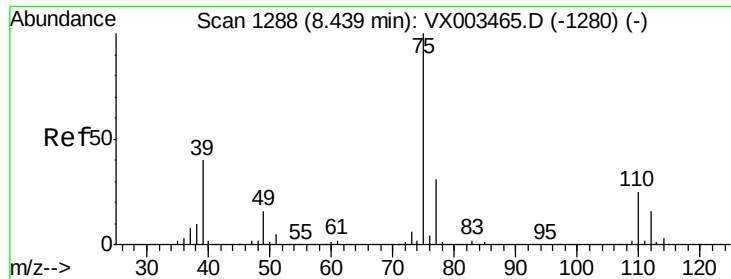
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





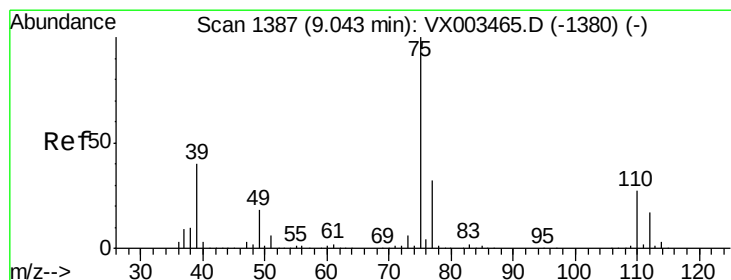
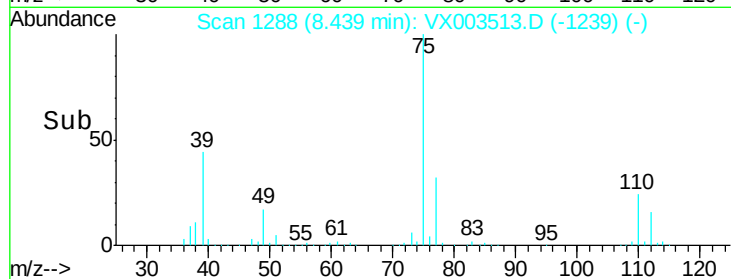
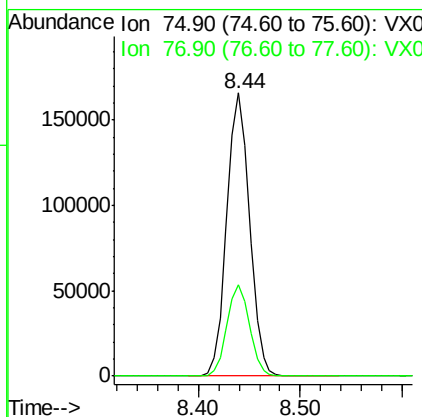
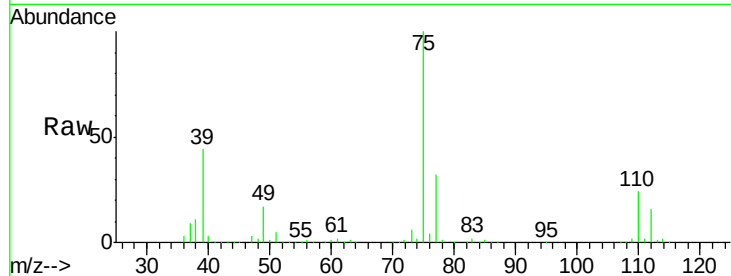
#53
t-1,3-Dichloropropene
Concen: 52.203 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tgt Ion: 75 Resp: 256935
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

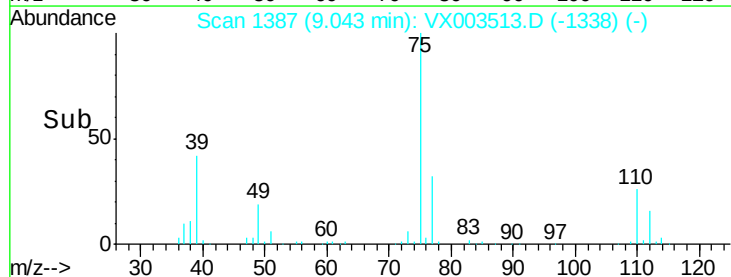
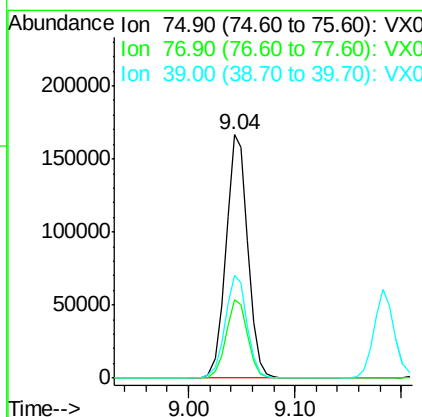
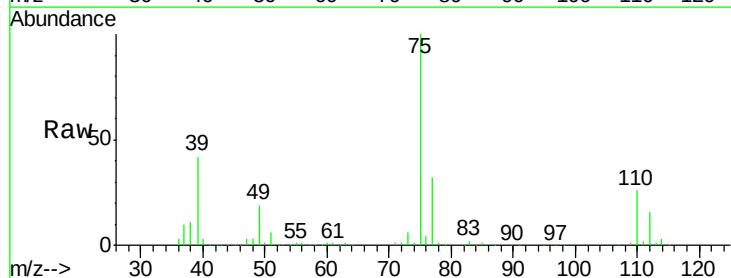
Manual Integrations
APPROVED

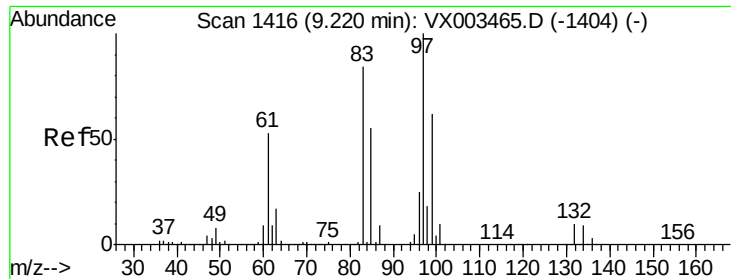
MMDadoda
7/31/2018 2:45:23 PM



#54
cis-1,3-Dichloropropene
Concen: 53.713 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 75 Resp: 237742
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2
39 42.1 42.4 63.6#





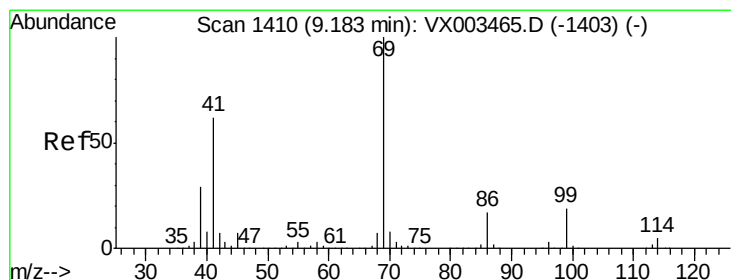
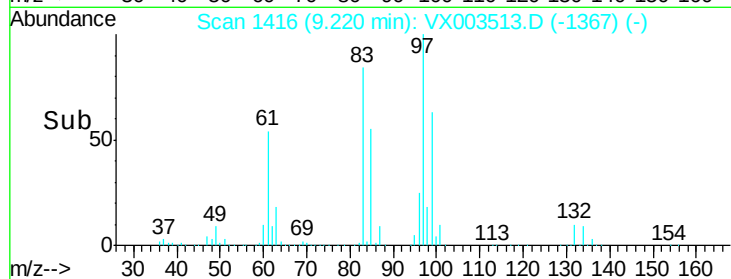
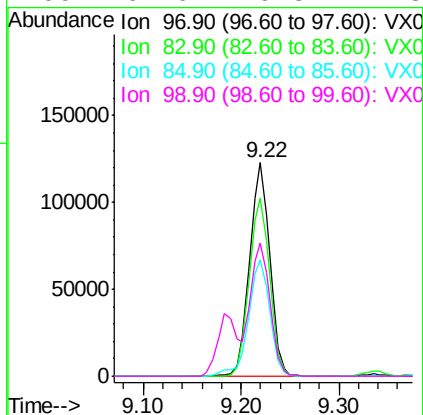
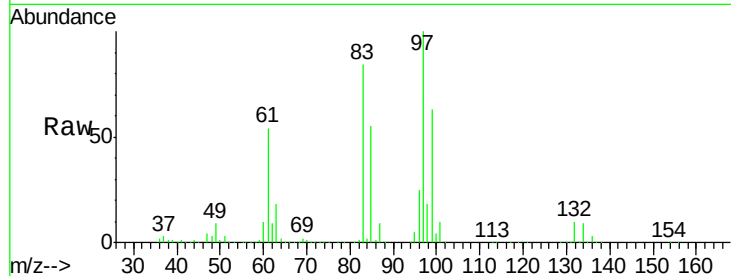
#55
 1,1,2-Trichloroethane
 Concen: 52.760 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tgt Ion:	97	Resp:	176578
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.2	105.2
85	54.6	44.9	67.3
99	62.6	49.8	74.8

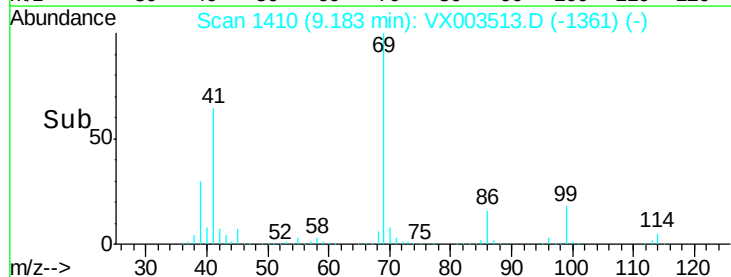
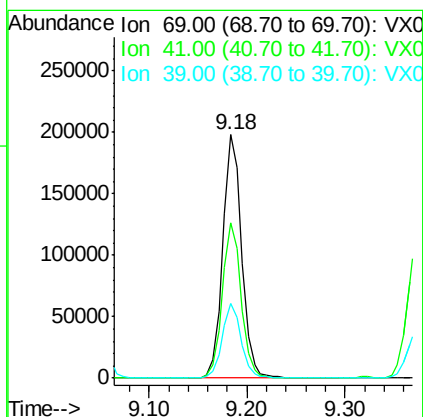
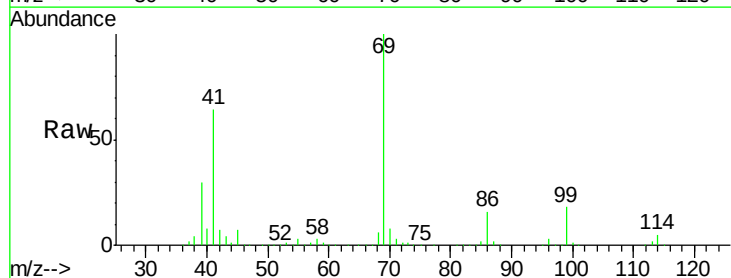
Manual Integrations
 APPROVED

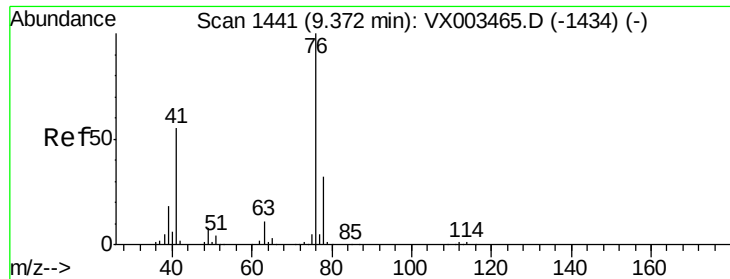
MMDadoda
 7/31/2018 2:45:23 PM



#56
 Ethyl methacrylate
 Concen: 56.134 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion:	69	Resp:	264616
Ion	Ratio	Lower	Upper
69	100		
41	63.8	60.3	90.5
39	30.9	35.8	53.8#





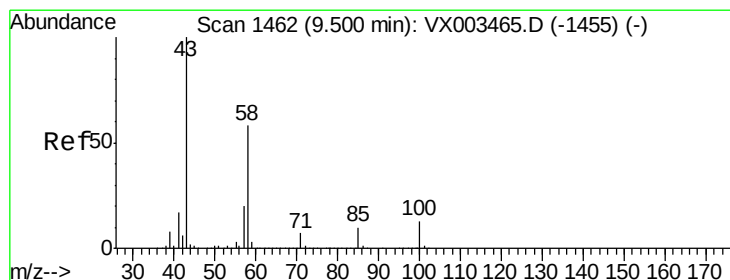
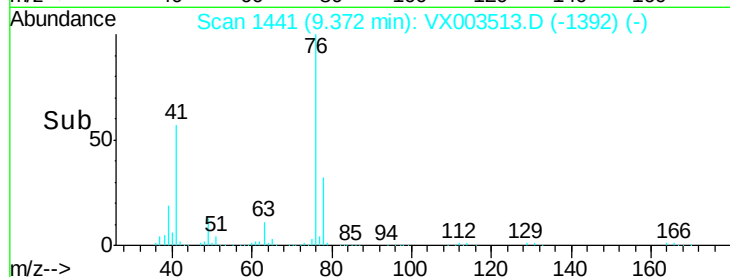
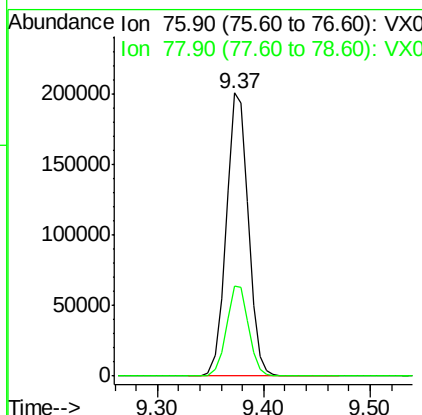
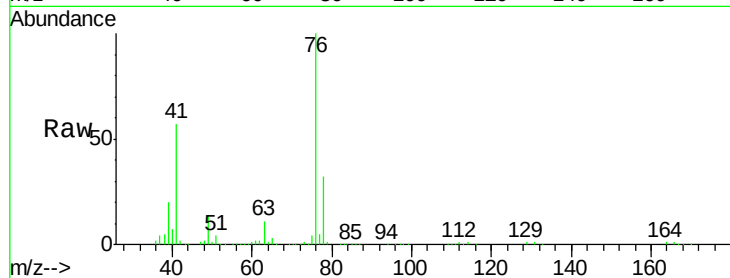
#57
 1,3-Dichloropropane
 Concen: 53.708 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampled :
 LF1-0034MS

Tgt Ion: 76 Resp: 290556
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

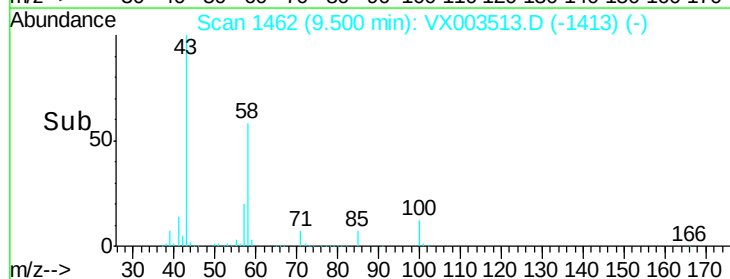
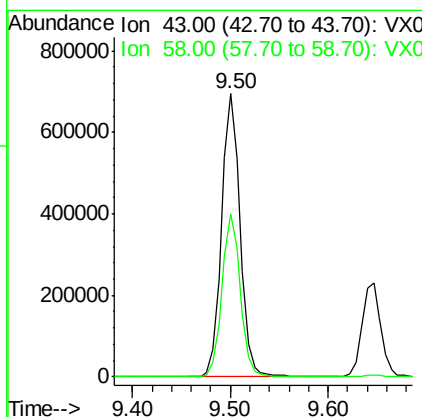
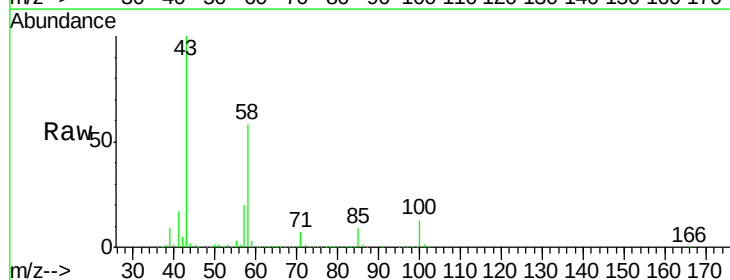
Manual Integrations
 APPROVED

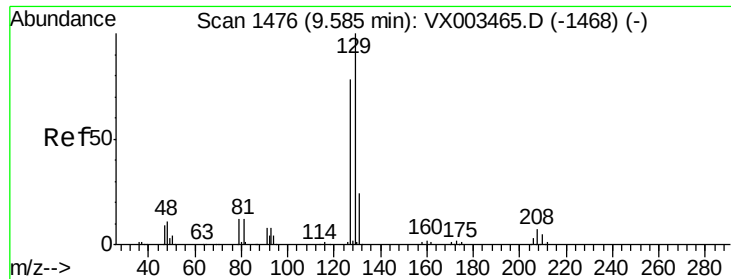
MMDadoda
 7/31/2018 2:45:23 PM



#59
 2-Hexanone
 Concen: 291.965 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 43 Resp: 910403
 Ion Ratio Lower Upper
 43 100
 58 57.1 24.6 73.6





#60

Dibromochloromethane

Concen: 54.686 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tgt Ion:129 Resp: 181160

Ion Ratio Lower Upper

129 100

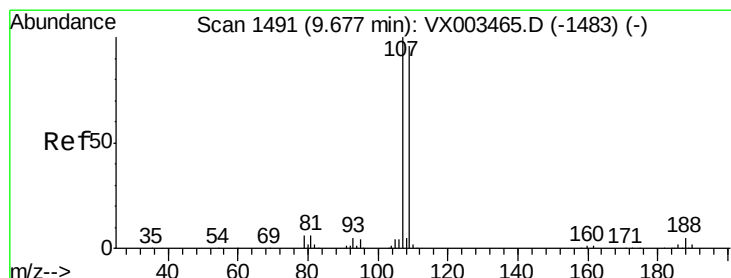
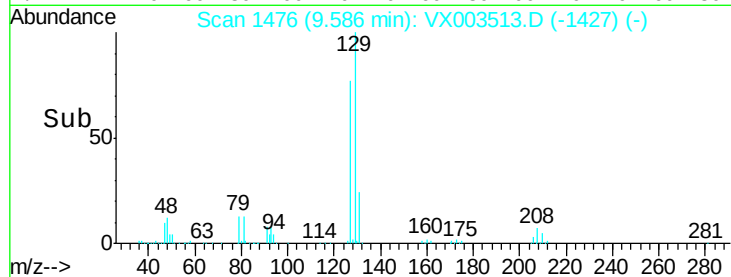
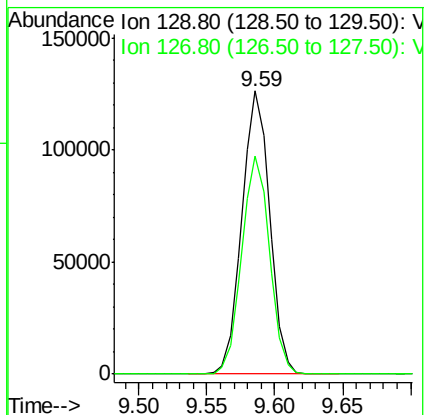
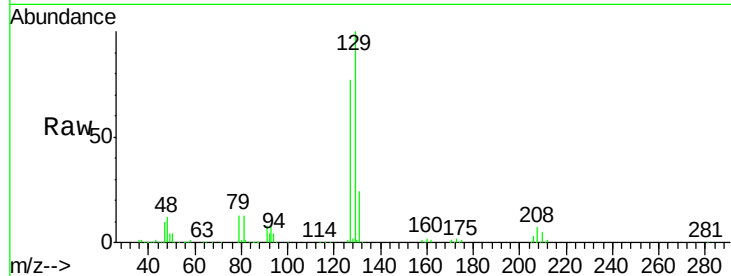
127 76.8 38.5 115.3

Manual Integrations

APPROVED

MMDadoda

7/31/2018 2:45:23 PM



#61

1,2-Dibromoethane

Concen: 53.370 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003513.D

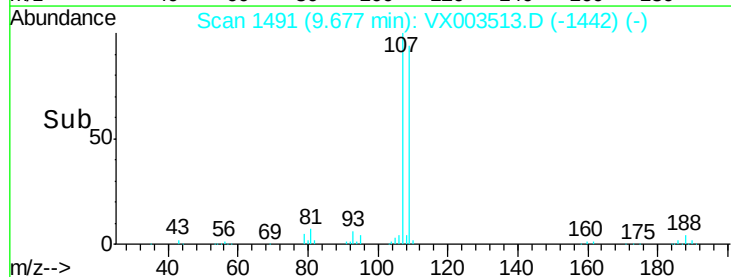
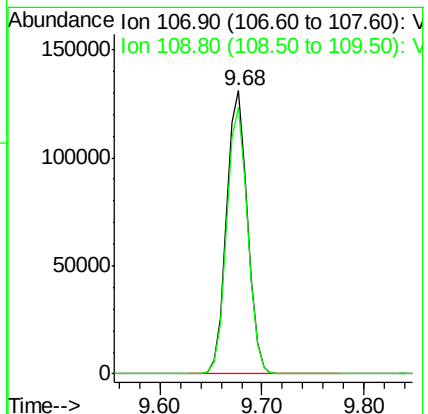
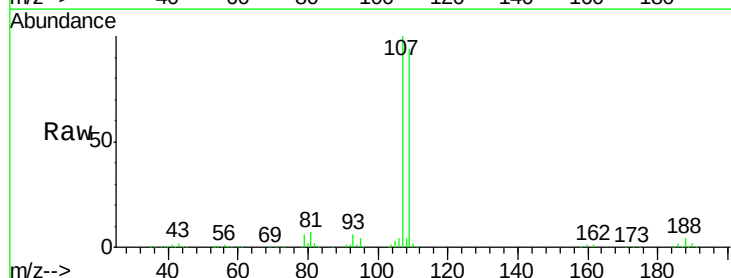
Acq: 20 Jul 2018 16:58

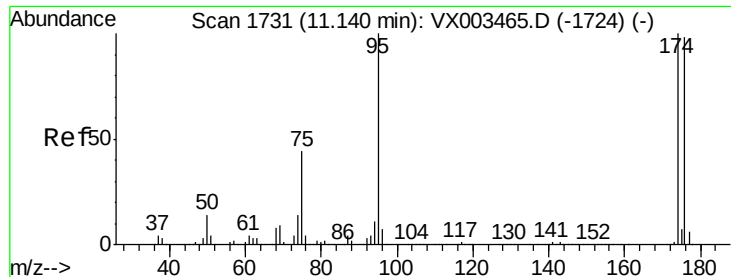
Tgt Ion:107 Resp: 185164

Ion Ratio Lower Upper

107 100

109 94.2 75.3 112.9





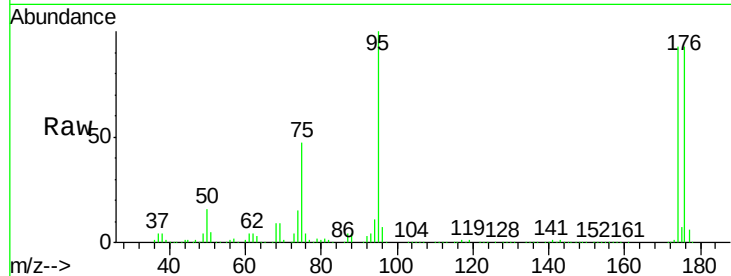
#62
4-Bromofluorobenzene
Concen: 54.070 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	231554		
174	94.5	0.0	187.4	
176	92.7	0.0	181.0	

Manual Integrations
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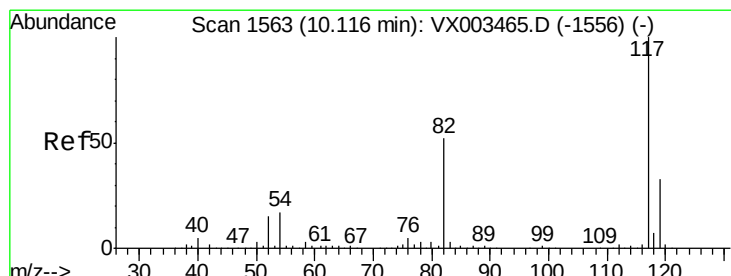
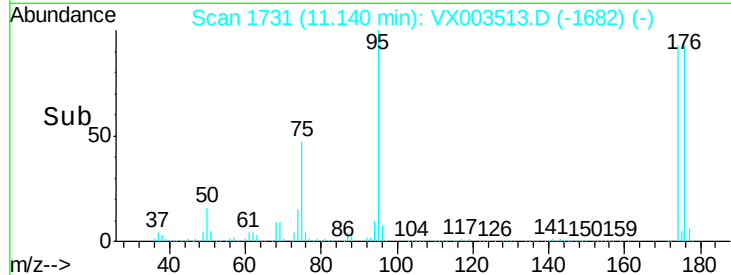
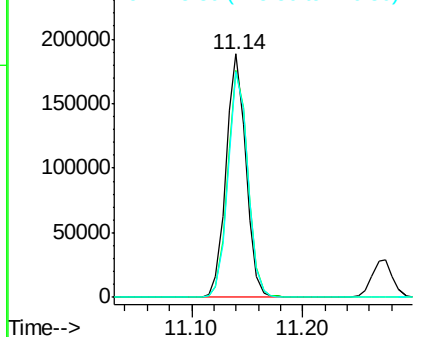
MMDadoda
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Abundance Ion 94.90 (94.60 to 95.60): VX003513.D (-1682) (-)

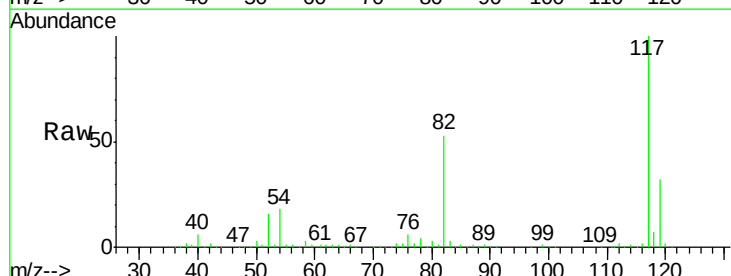
Ion 173.80 (173.50 to 174.50): VX003513.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003513.D (-1682) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

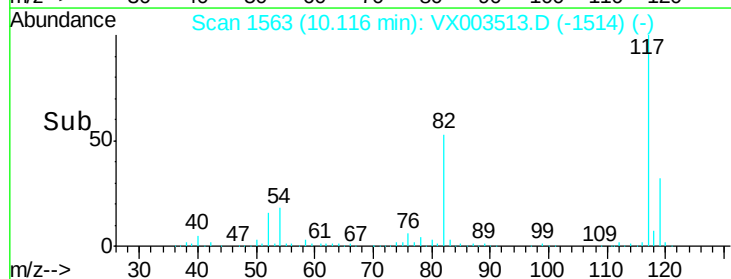
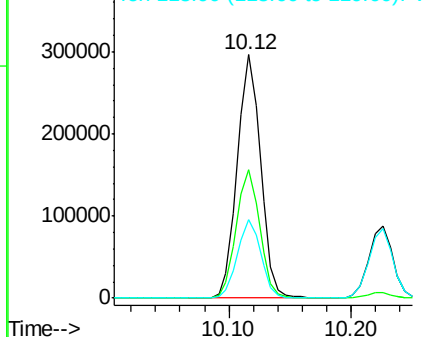
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	391313		
82	52.9	45.0	67.4	
119	32.5	25.8	38.6	

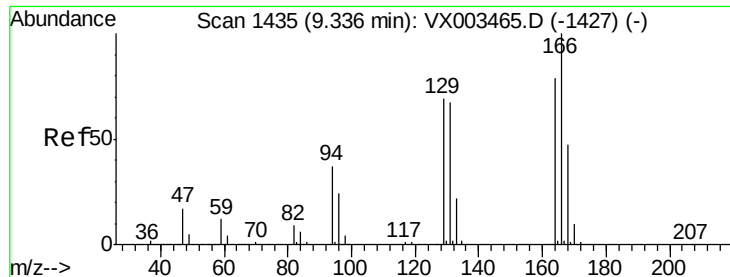


Abundance Ion 116.90 (116.60 to 117.60): VX003513.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003513.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003513.D (-1514) (-)





#64

Tetrachloroethene

Concen: 46.934 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tgt Ion:164 Resp: 223767

Ion Ratio Lower Upper

164 100

166 127.6 102.9 154.3

129 91.8 68.6 102.8

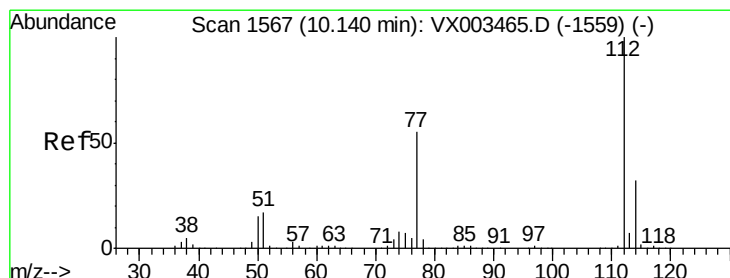
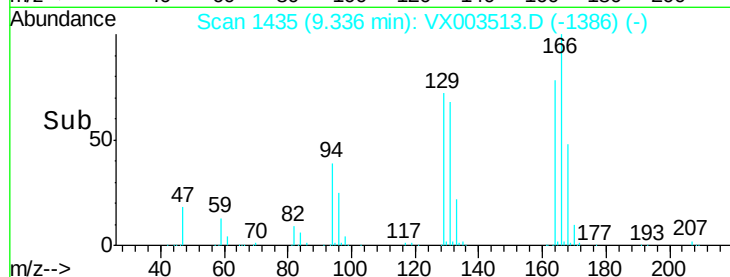
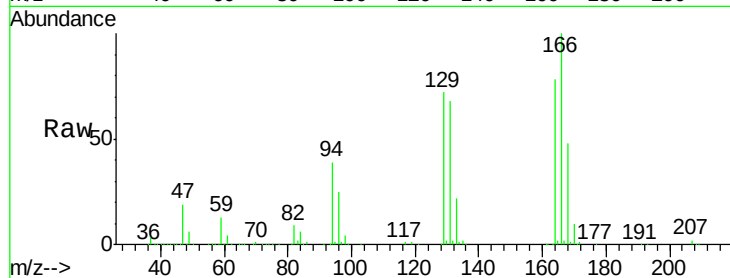
131 87.2 66.8 100.2

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7/31/2018 2:45:23 PM



#65

Chlorobenzene

Concen: 48.800 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003513.D

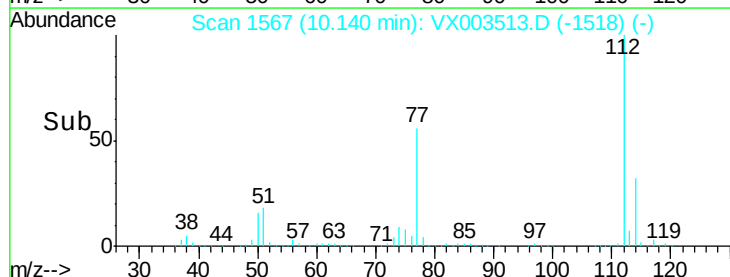
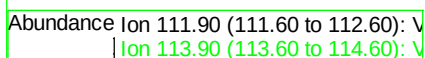
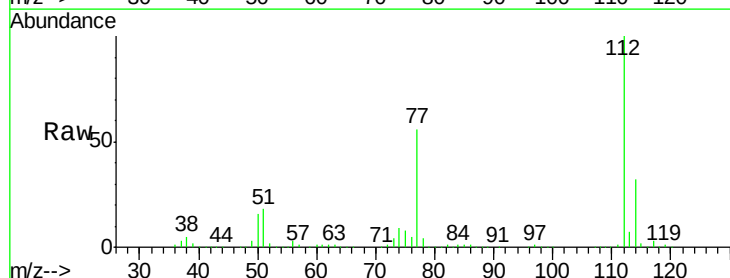
Acq: 20 Jul 2018 16:58

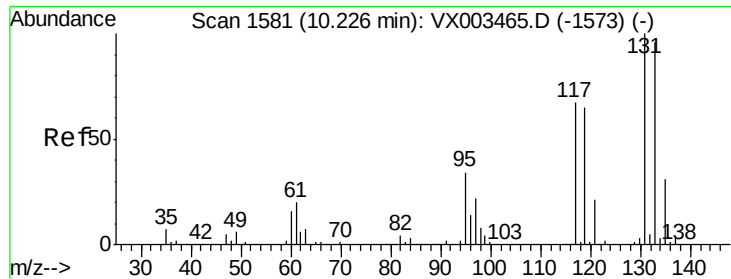
Tgt Ion:112 Resp: 492014

Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.956 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

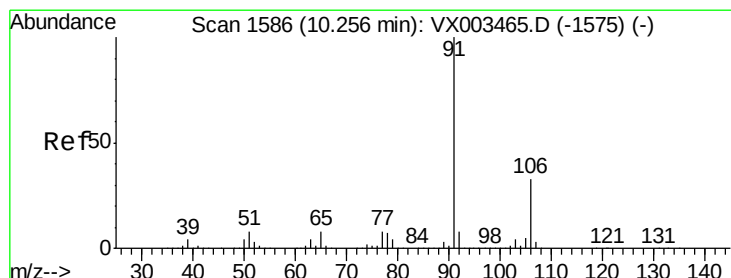
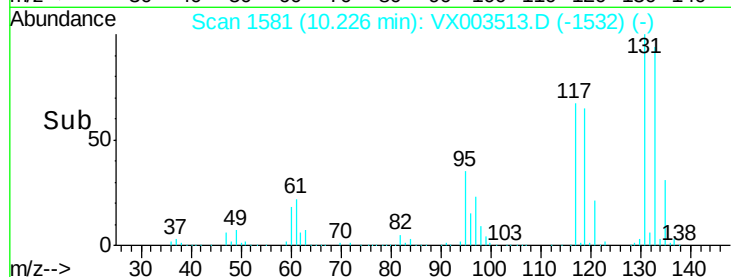
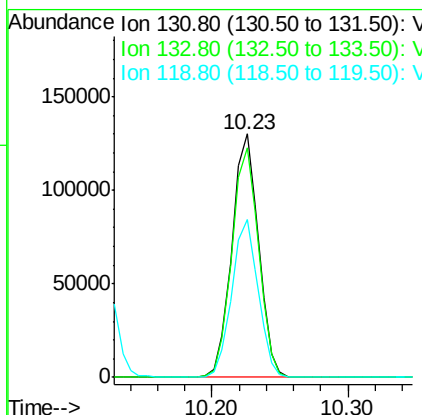
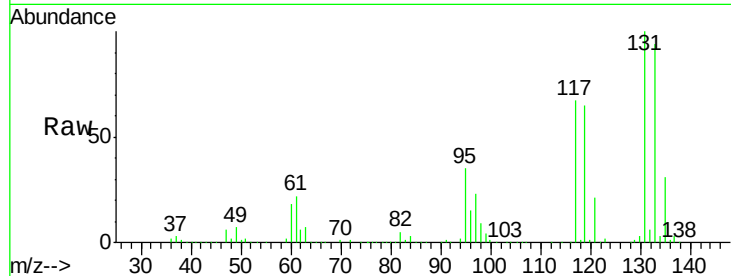
ClientSampleId :

LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	176762		
133	95.3	47.9	143.6	
119	64.3	31.8	95.3	

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.484 ug/l

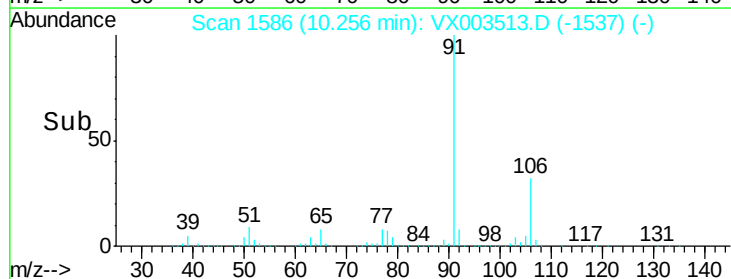
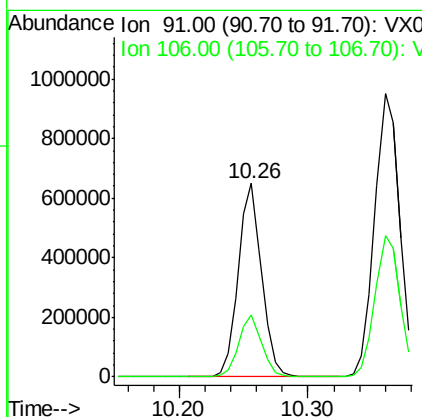
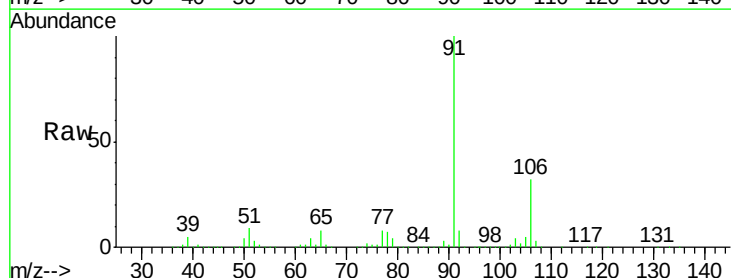
RT: 10.26 min Scan# 1586

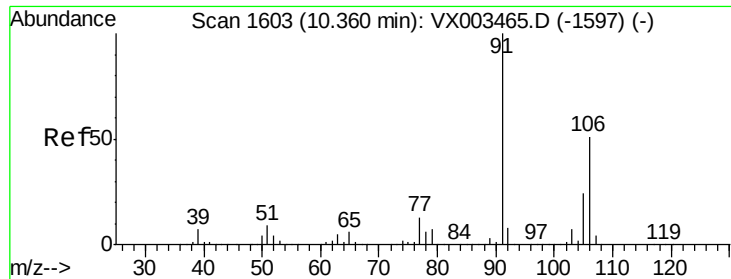
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	818377		
106	31.9	25.5	38.3	





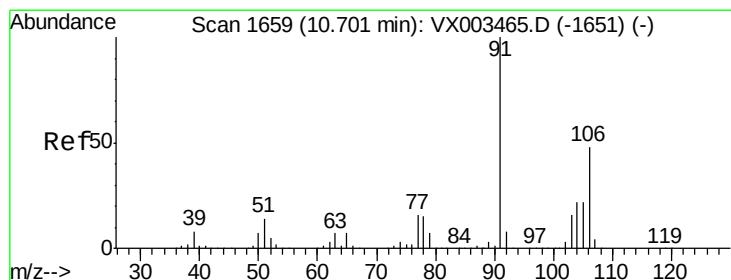
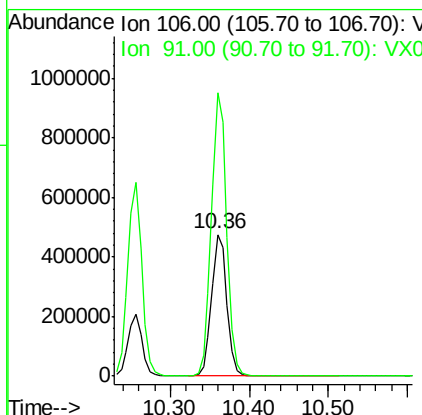
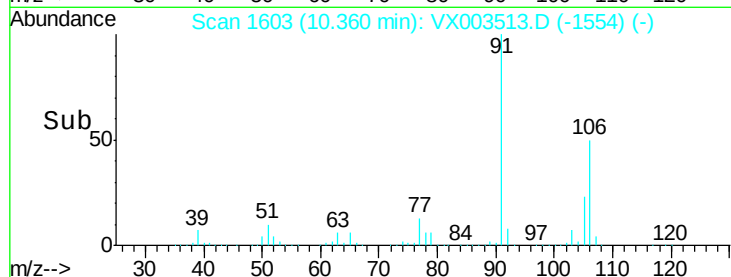
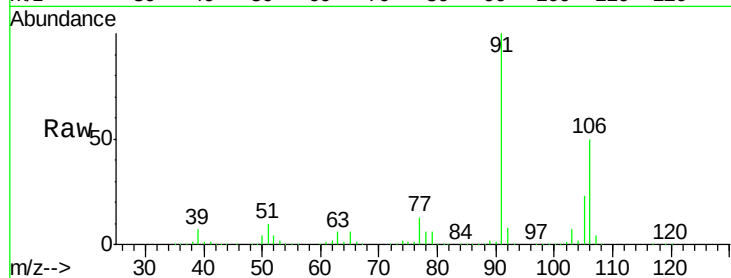
#68
m/p-Xylenes
Concen: 100.652 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion:106 Resp: 639675
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2

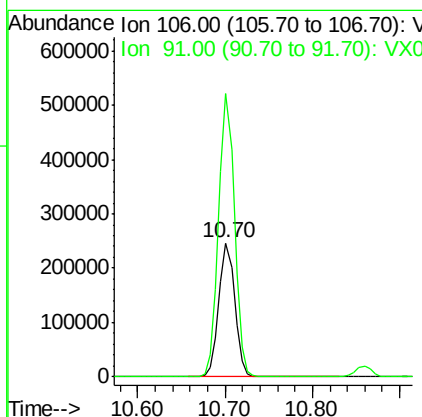
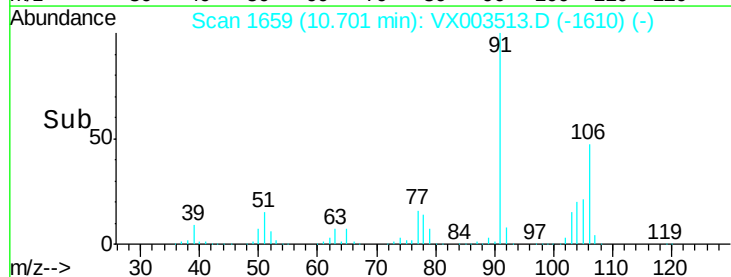
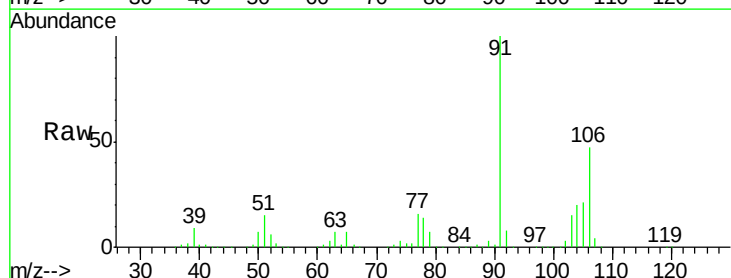
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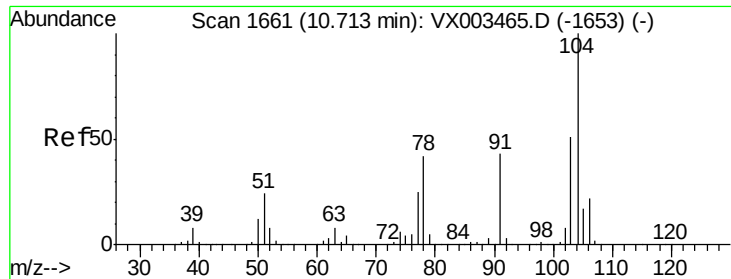
MMDadoda
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#69
o-Xylene
Concen: 50.669 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion:106 Resp: 311392
Ion Ratio Lower Upper
106 100
91 210.3 108.2 324.6





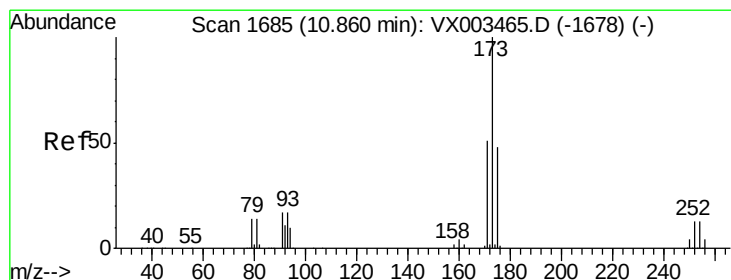
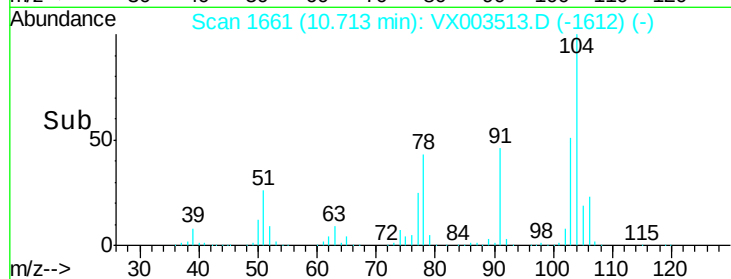
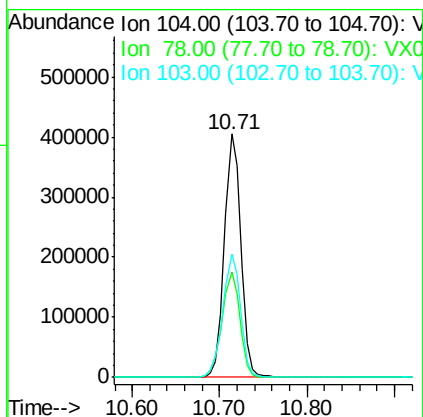
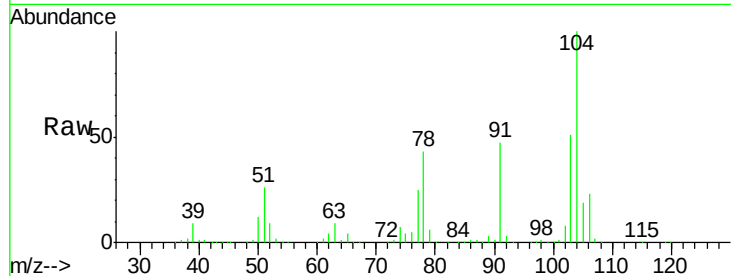
#70
Styrene
Concen: 51.867 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion:104 Resp: 524314
Ion Ratio Lower Upper
104 100
78 47.2 41.0 61.6
103 54.8 44.2 66.4

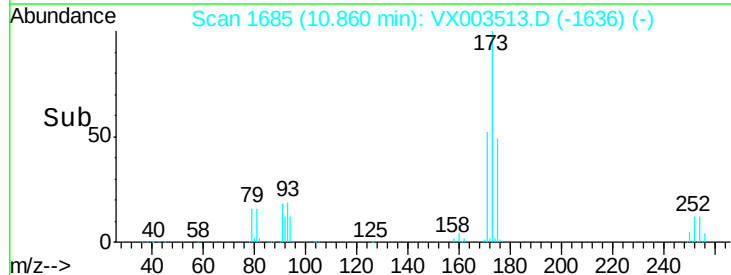
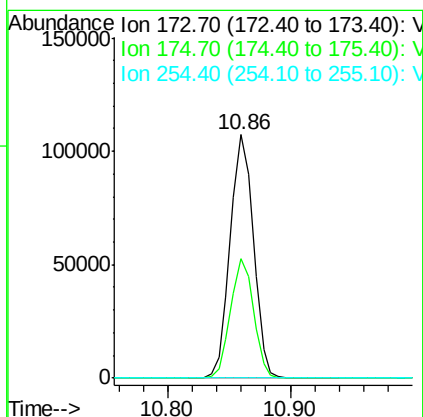
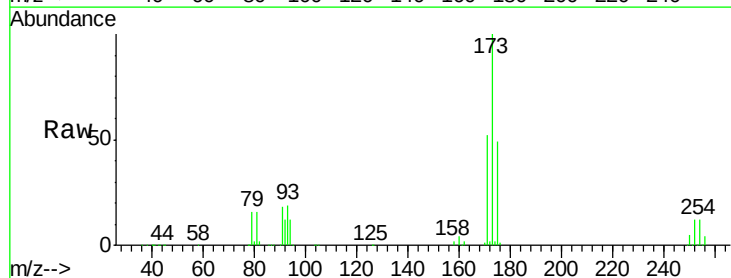
Manual Integrations
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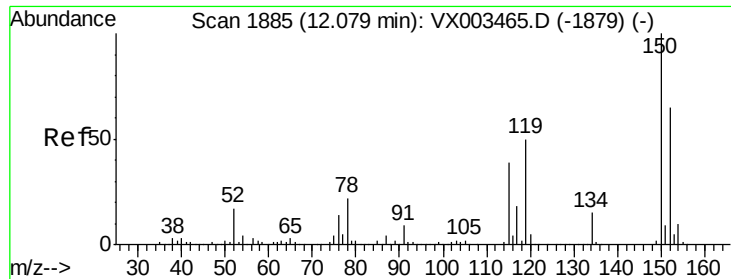
MMDadoda
7/31/2018 2:45:23 PM



#71
Bromoform
Concen: 52.262 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion:173 Resp: 140859
Ion Ratio Lower Upper
173 100
175 48.6 24.7 74.1
254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

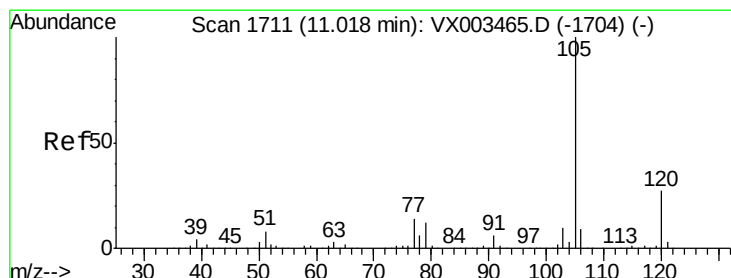
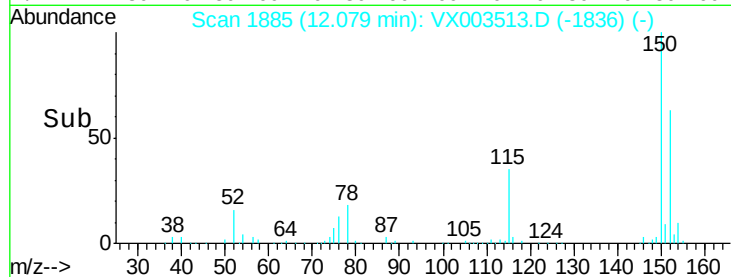
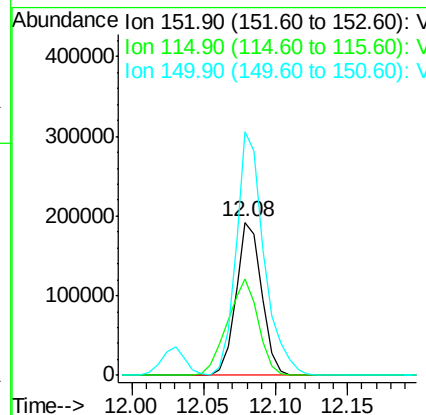
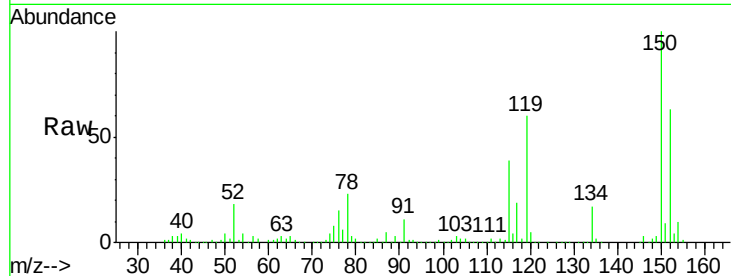
ClientSampled :

LF1-0034MS

Tgt Ion:	152	Resp:	238462
Ion Ratio	Lower	Upper	
152	100		
115	76.3	40.1	120.2
150	173.7	0.0	347.2

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#73

Isopropylbenzene

Concen: 49.896 ug/l

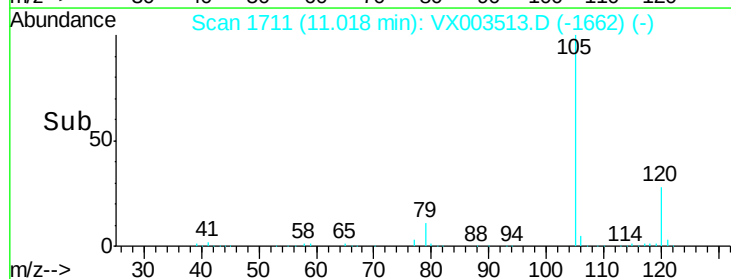
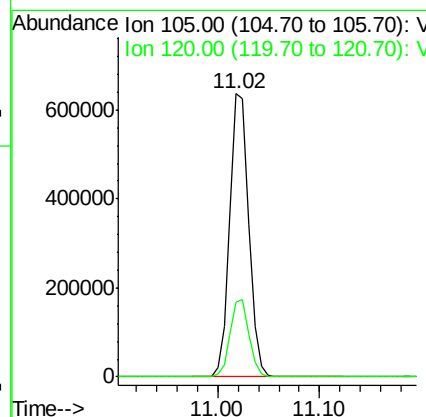
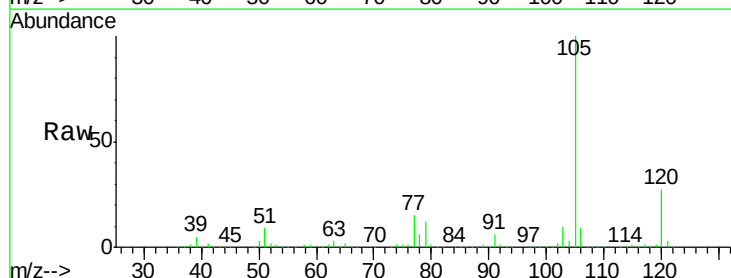
RT: 11.02 min Scan# 1711

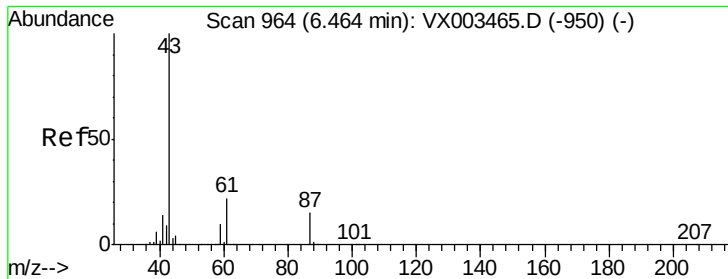
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	105	Resp:	822882
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.5	40.4





#74

N-amyl acetate

Concen: 49.970 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

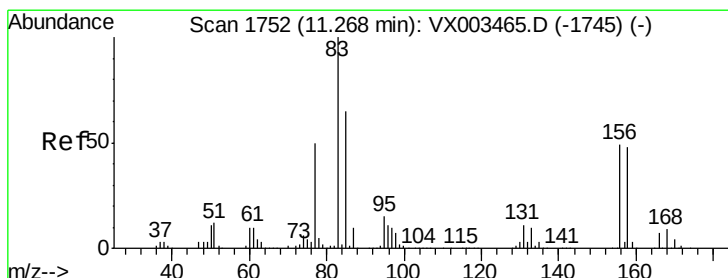
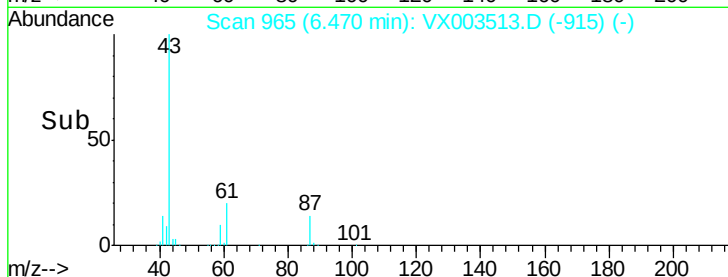
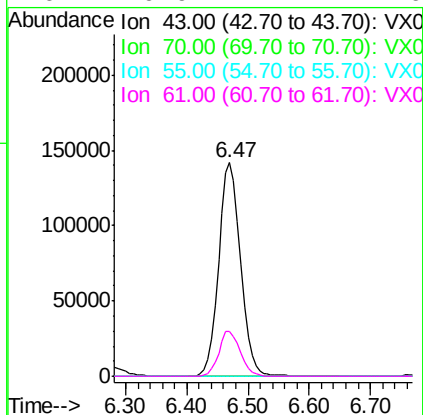
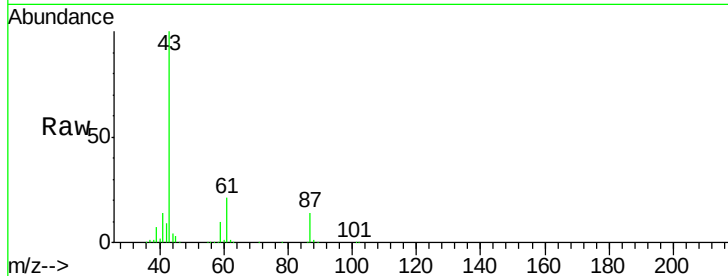
ClientSampleId :

LF1-0034MS

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		349930		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	20.9	14.4	21.6		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 52.018 ug/l

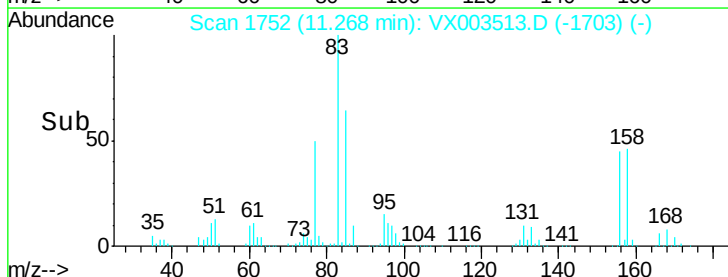
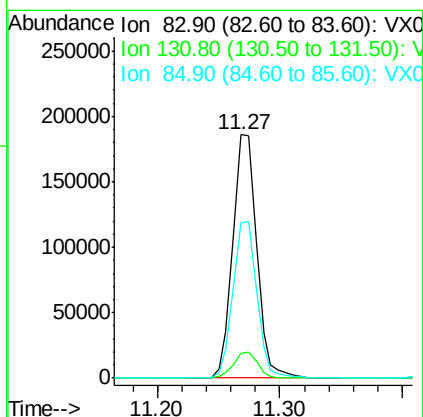
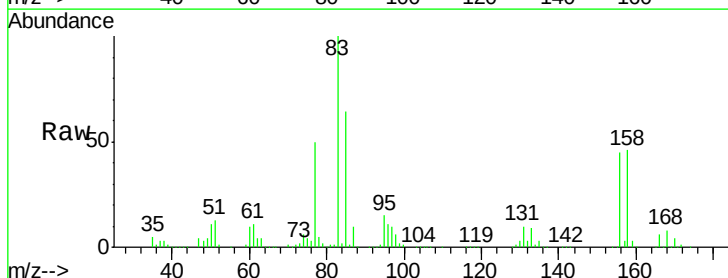
RT: 11.27 min Scan# 1752

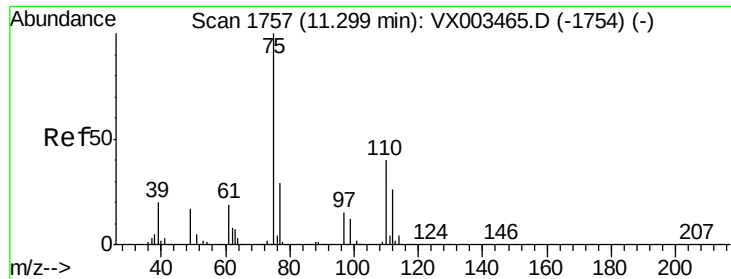
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		251394		
131	10.8	5.6	16.8		
85	64.4	32.4	97.2		





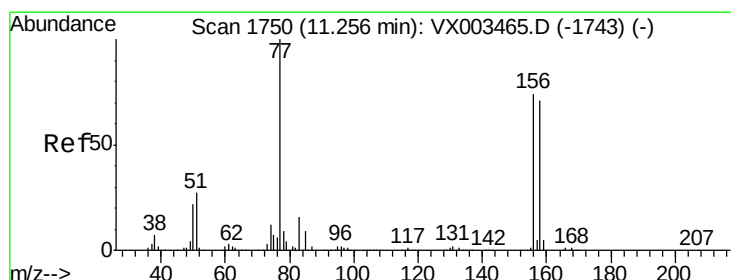
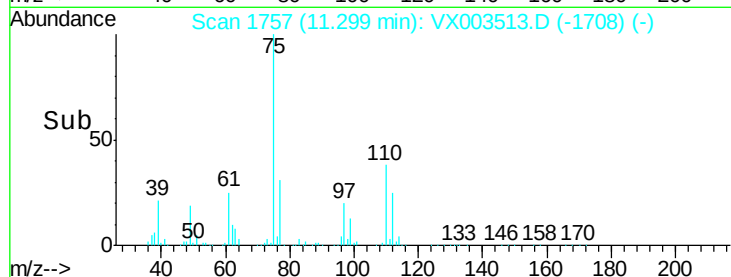
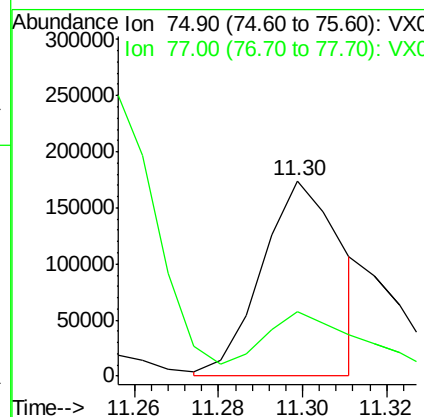
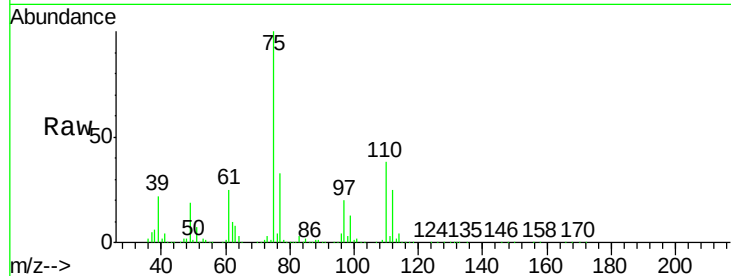
#76
 1,2,3-Trichloropropane
 Concen: 52.987 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampled :
 LF1-0034MS

Tgt Ion: 75 Resp: 226990
 Ion Ratio Lower Upper
 75 100
 77 42.7 22.8 68.3

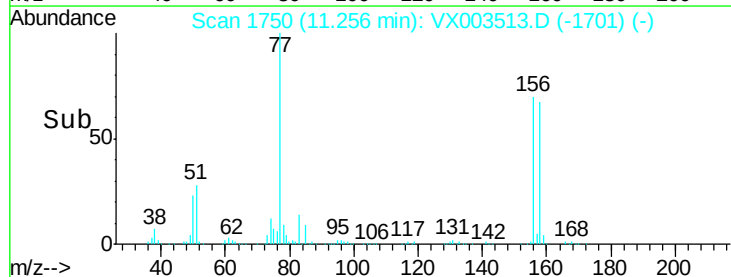
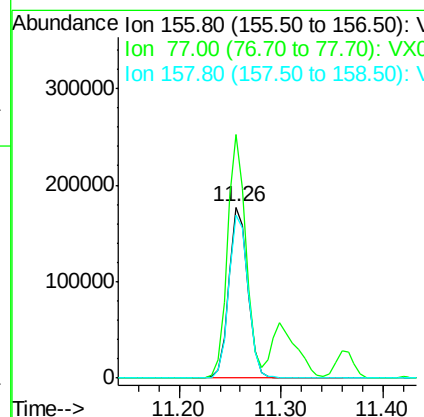
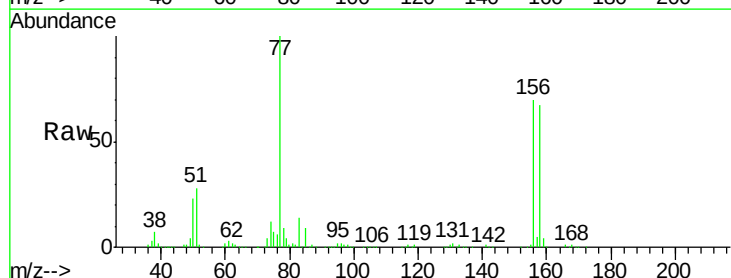
Manual Integrations
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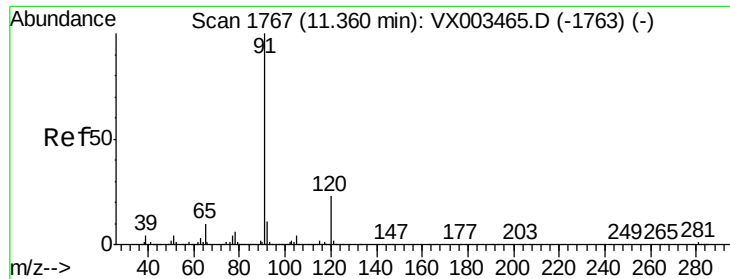
MMDadoda
 7/31/2018 2:45:23 PM



#77
 Bromobenzene
 Concen: 47.916 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 156 Resp: 227283
 Ion Ratio Lower Upper
 156 100
 77 139.7 71.4 214.2
 158 97.4 48.9 146.6





#78

n-propylbenzene

Concen: 50.807 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

Tgt Ion: 91 Resp: 931408

Ion Ratio Lower Upper

91 100

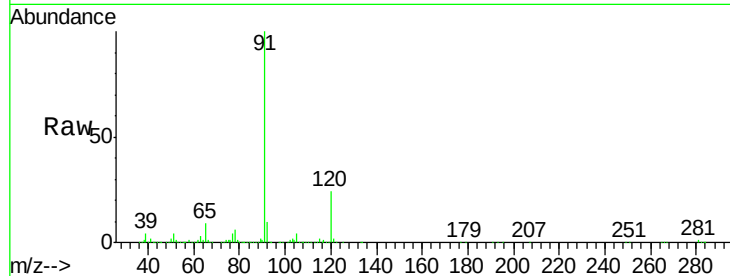
120 24.3 11.8 35.4

Manual Integrations

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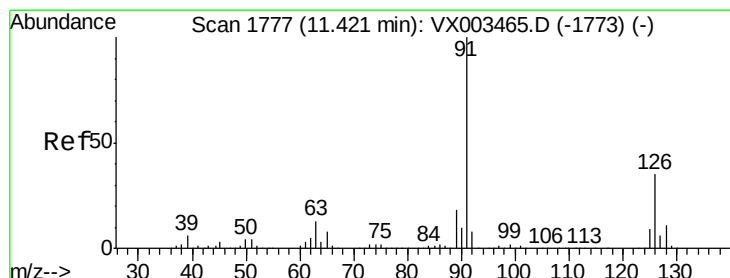
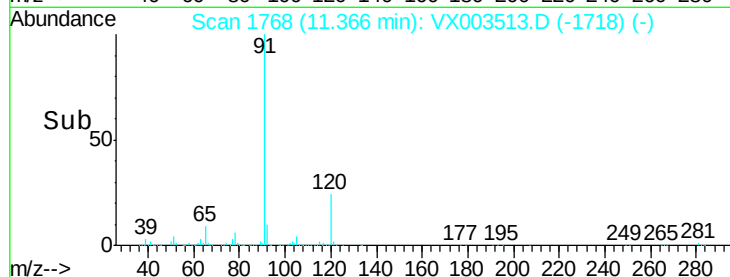
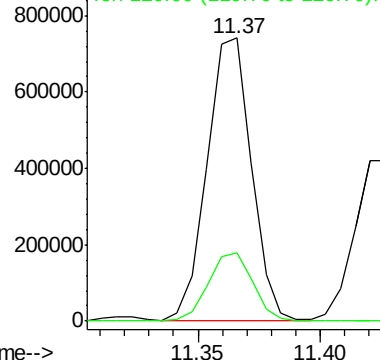
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 50.054 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003513.D

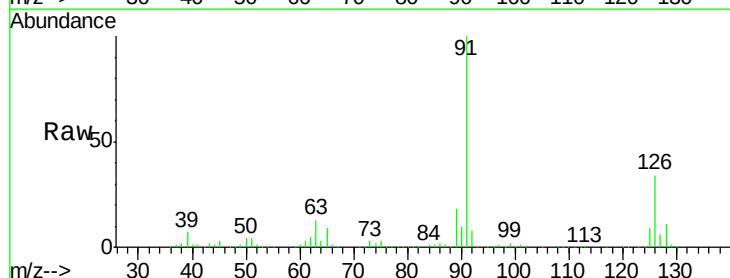
Acq: 20 Jul 2018 16:58

Tgt Ion: 91 Resp: 557052

Ion Ratio Lower Upper

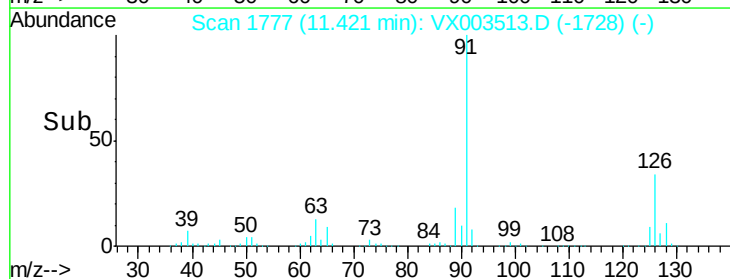
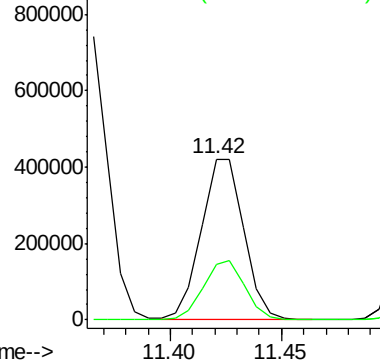
91 100

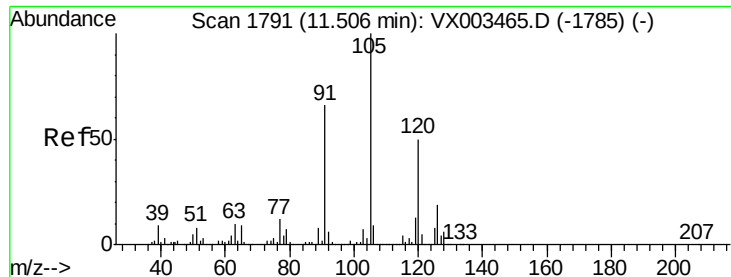
126 36.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





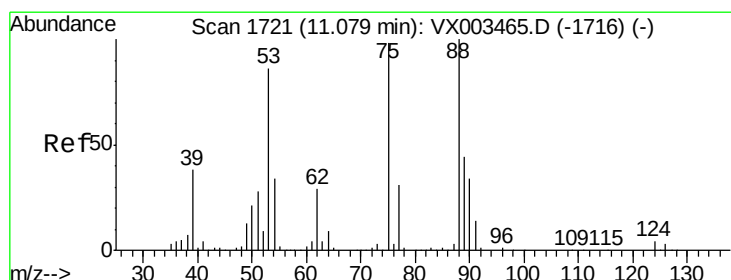
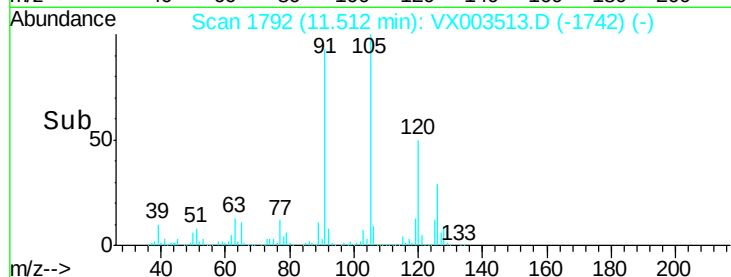
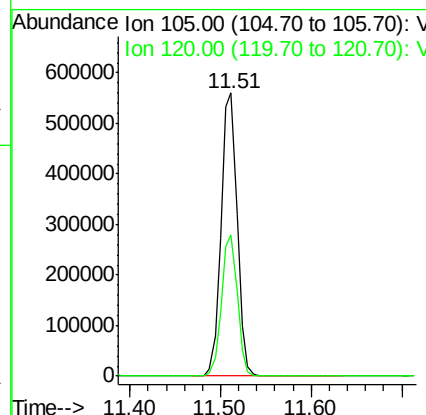
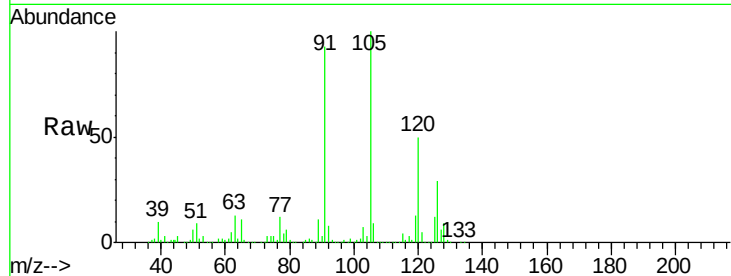
#80
 1,3,5-Trimethylbenzene
 Concen: 51.310 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampled :
 LF1-0034MS

Tgt Ion: 105 Resp: 695435
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4

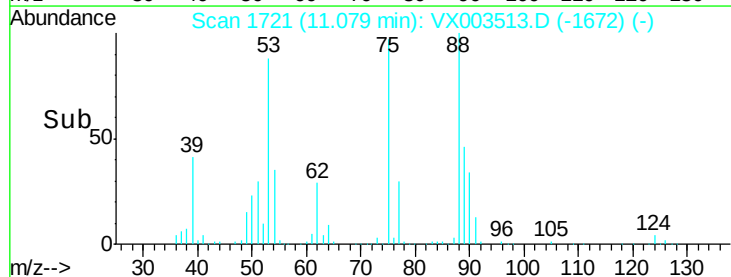
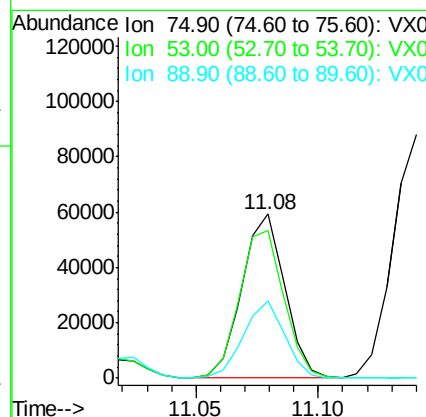
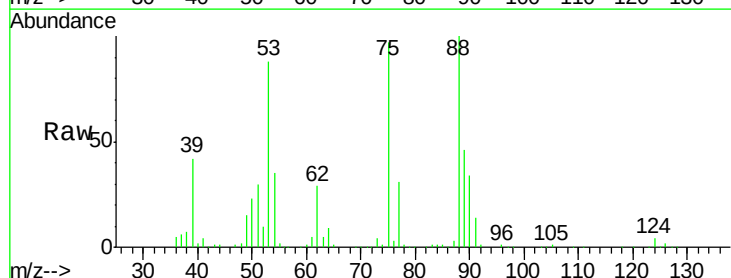
Manual Integrations
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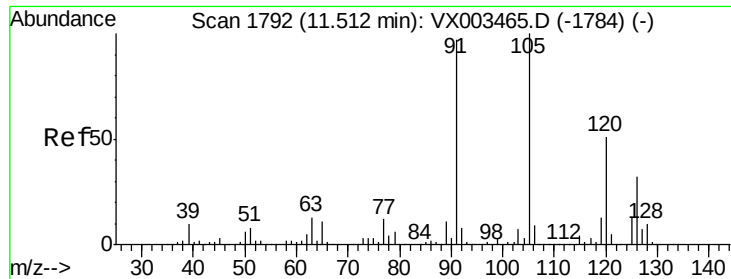
MMDadoda
 7/31/2018 2:45:23 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.969 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 75 Resp: 72202
 Ion Ratio Lower Upper
 75 100
 53 93.4 86.8 130.2
 89 45.5 38.2 57.2





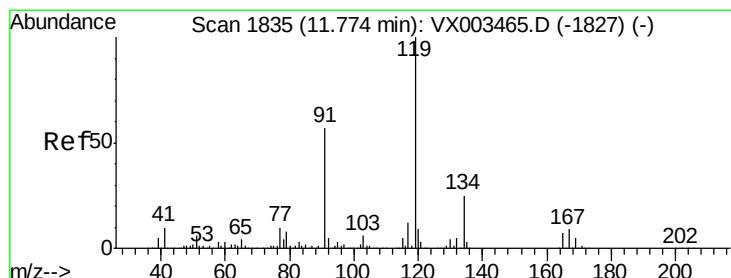
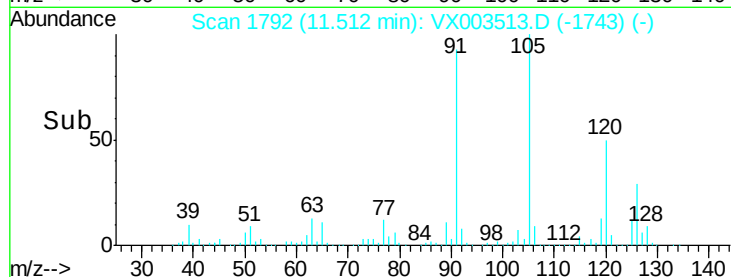
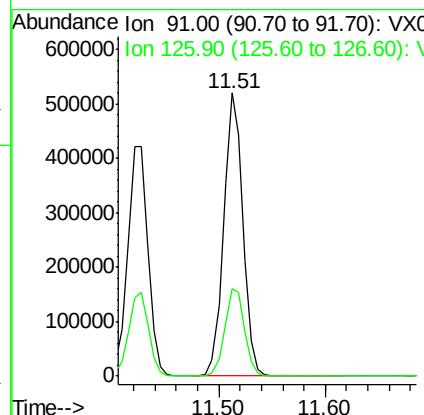
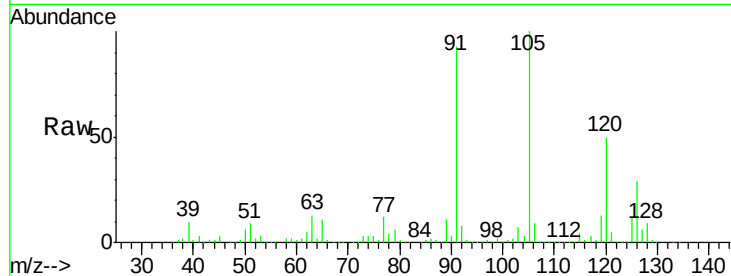
#82
4-Chlorotoluene
Concen: 49.759 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tgt Ion: 91 Resp: 648884
Ion Ratio Lower Upper
91 100
126 31.9 15.4 46.4

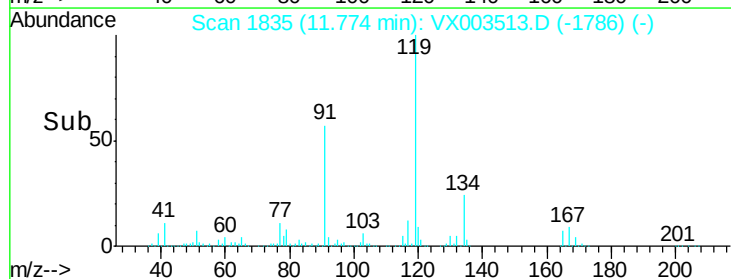
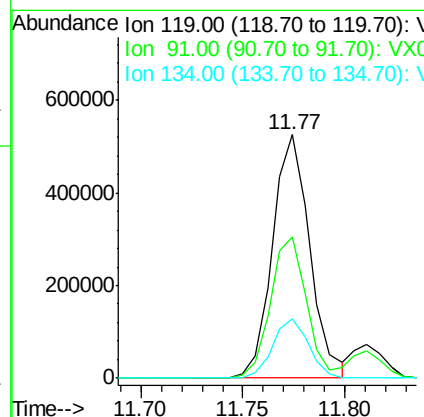
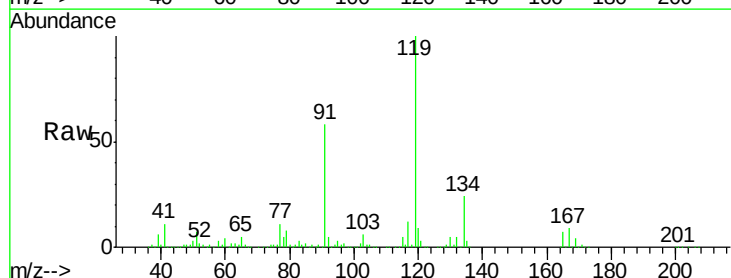
Manual Integrations
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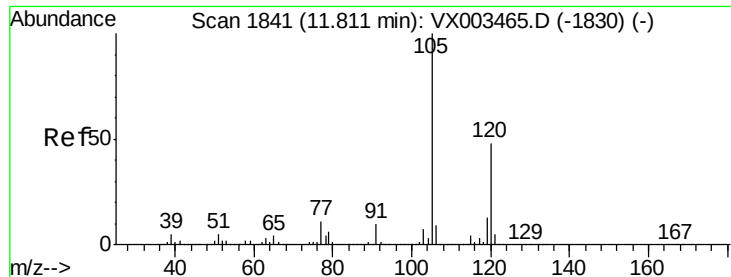
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7/31/2018 2:45:23 PM



#83
tert-Butylbenzene
Concen: 50.452 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 119 Resp: 669670
Ion Ratio Lower Upper
119 100
91 55.6 30.3 90.9
134 23.4 11.7 35.1





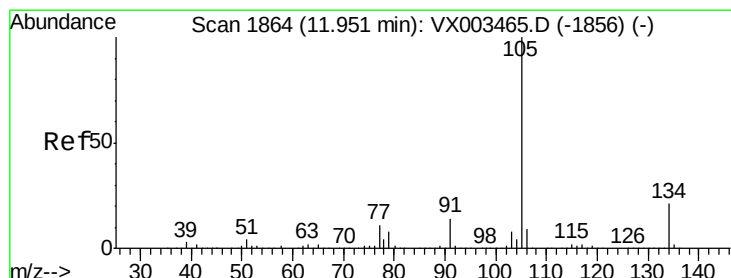
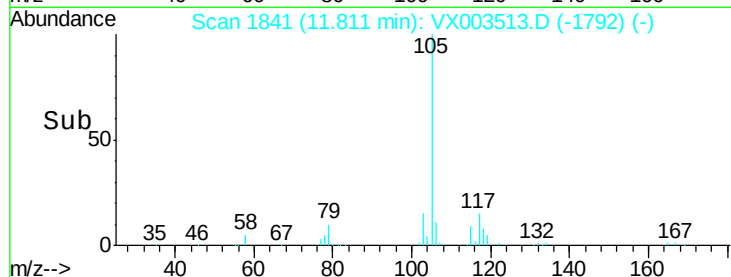
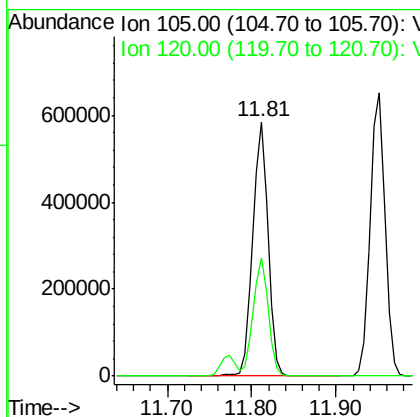
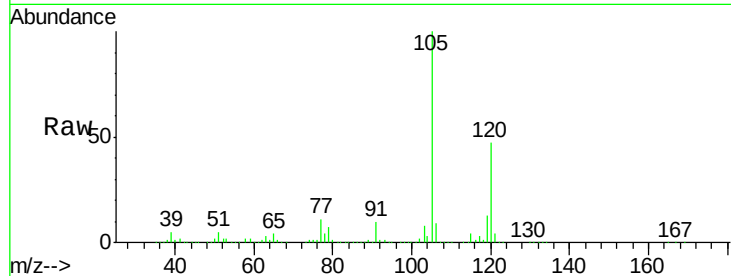
#84
1,2,4-Trimethylbenzene
Concen: 51.629 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tgt Ion:105 Resp: 712030
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.8

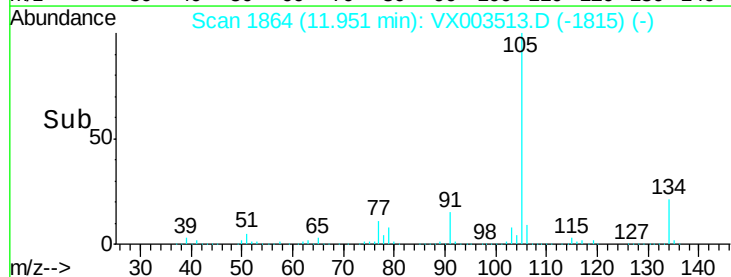
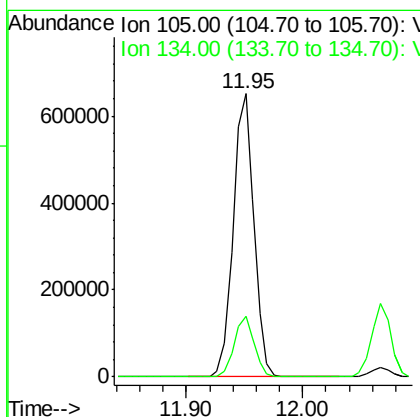
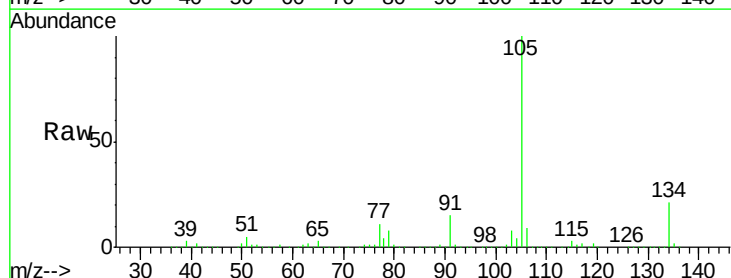
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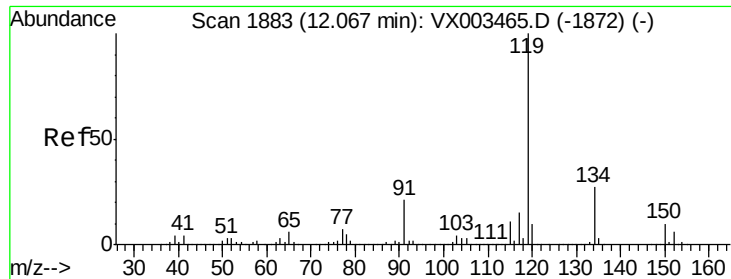
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#85
sec-Butylbenzene
Concen: 49.801 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion:105 Resp: 802893
Ion Ratio Lower Upper
105 100
134 20.9 10.4 31.1





#86

p-Isopropyltoluene

Concen: 50.601 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

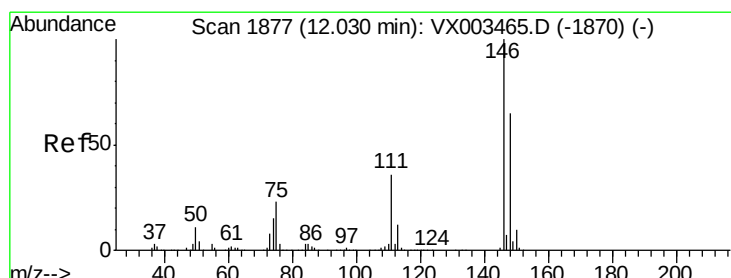
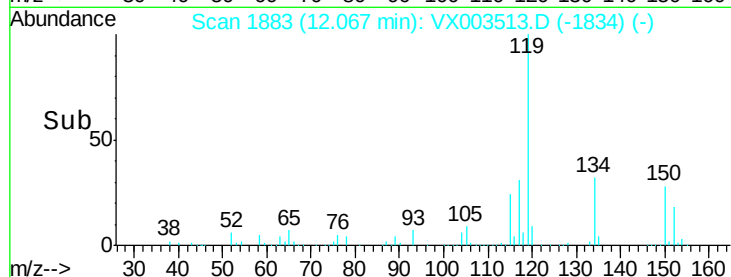
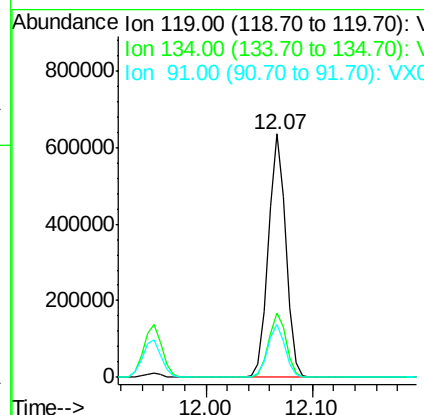
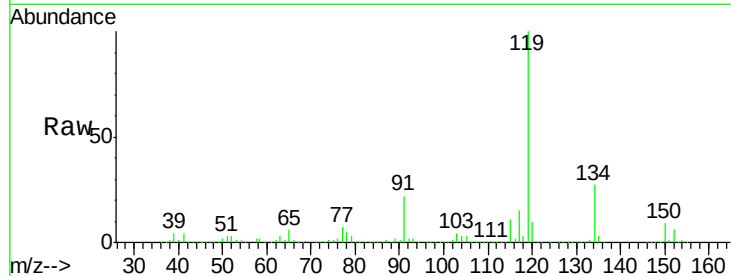
ClientSampled :

LF1-0034MS

Tgt Ion:	119	Resp:	732131
Ion Ratio	Lower	Upper	
119	100		
134	26.7	13.4	40.1
91	21.7	11.9	35.7

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 47.685 ug/l

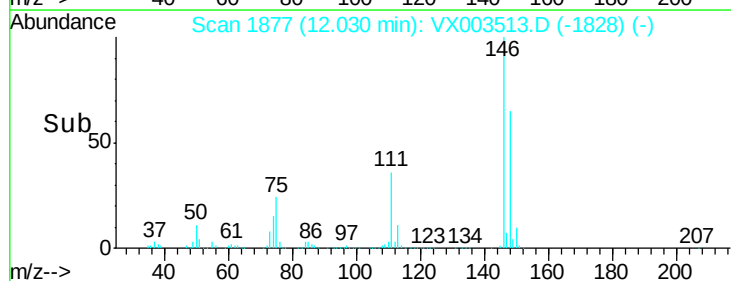
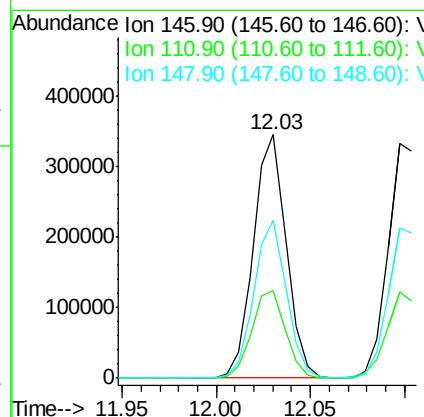
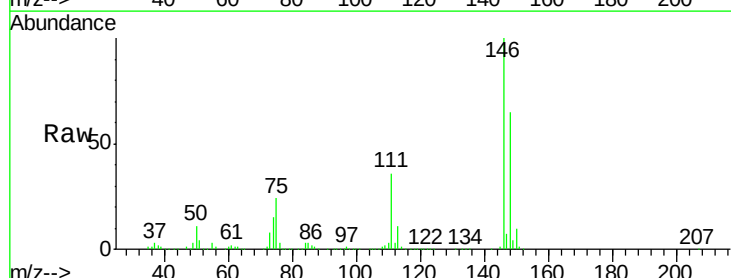
RT: 12.03 min Scan# 1877

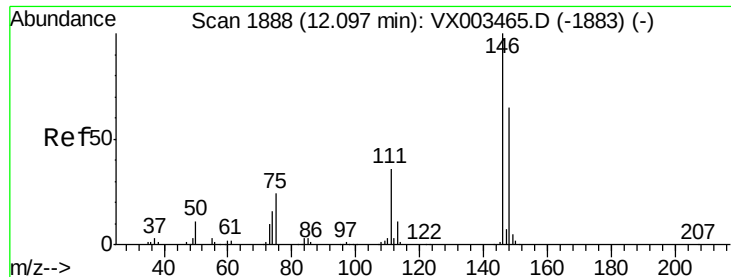
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	146	Resp:	415778
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.9	56.7
148	64.3	32.1	96.3





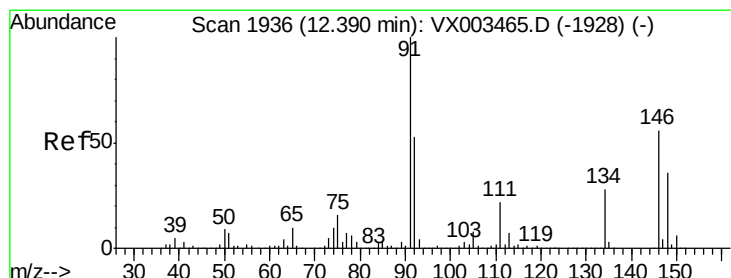
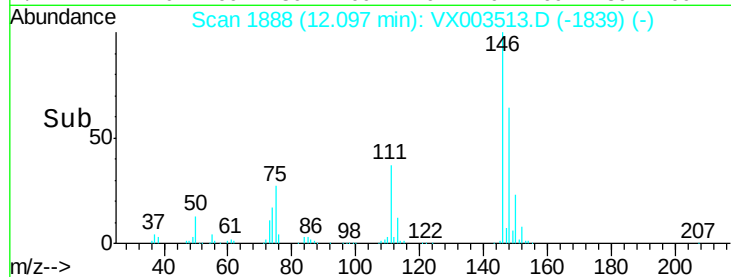
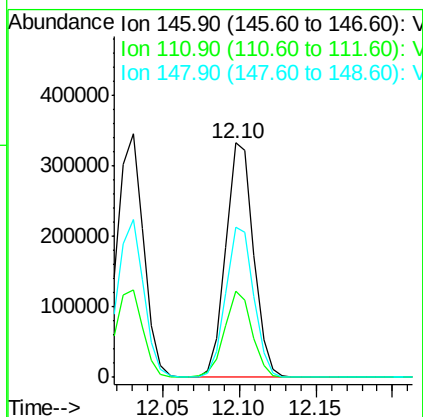
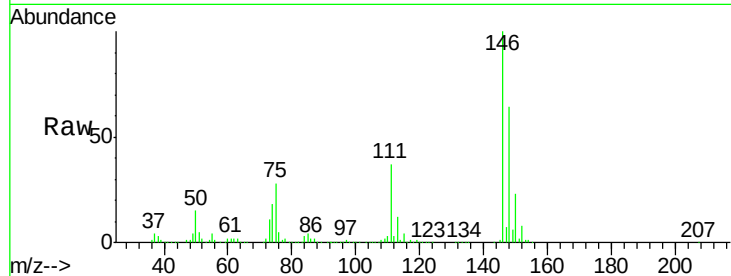
#88
 1,4-Dichlorobenzene
 Concen: 46.625 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	418778		
111	36.1	18.7	56.1	
148	64.8	32.4	97.0	

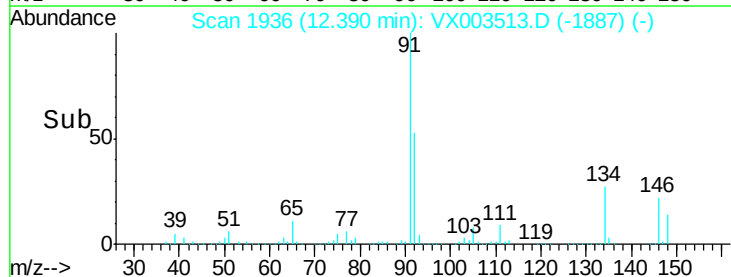
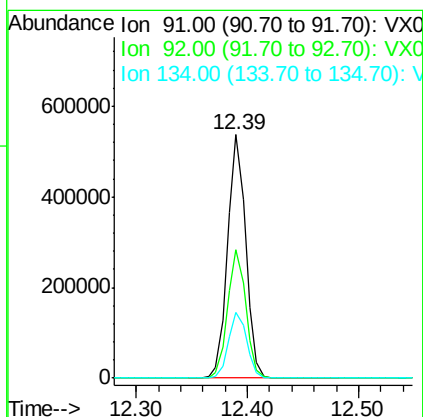
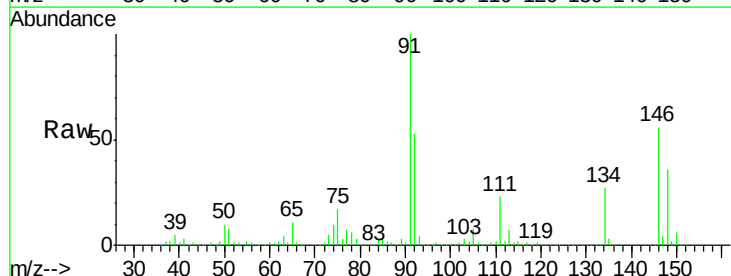
Manual Integrations
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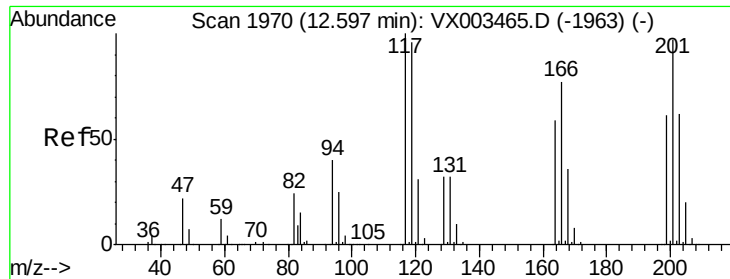
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#89
 n-Butylbenzene
 Concen: 49.129 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	603597		
92	52.9	26.0	78.0	
134	27.6	13.5	40.5	





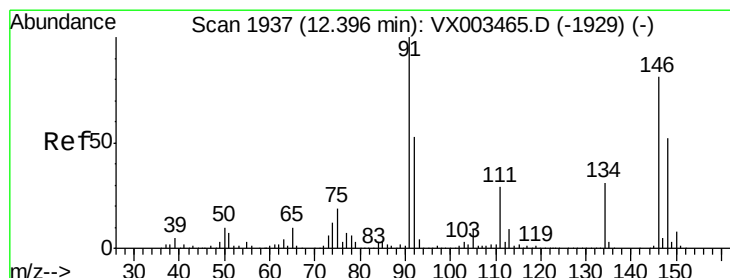
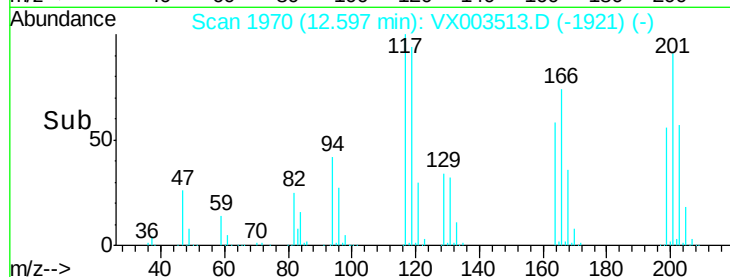
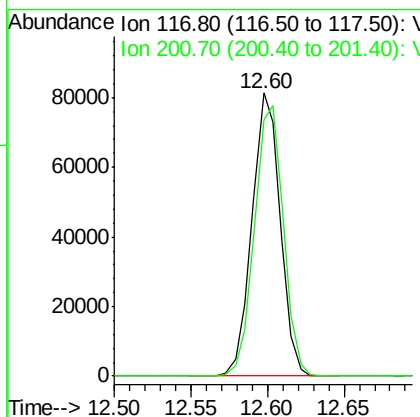
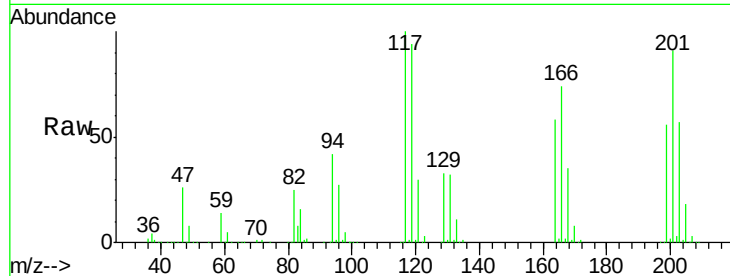
#90
Hexachloroethane
Concen: 50.764 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tgt Ion:117 Resp: 104412
Ion Ratio Lower Upper
117 100
201 98.1 49.0 147.0

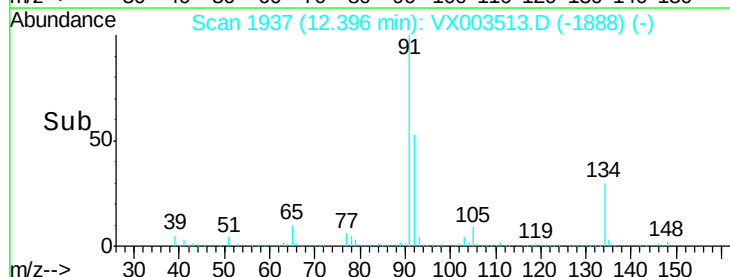
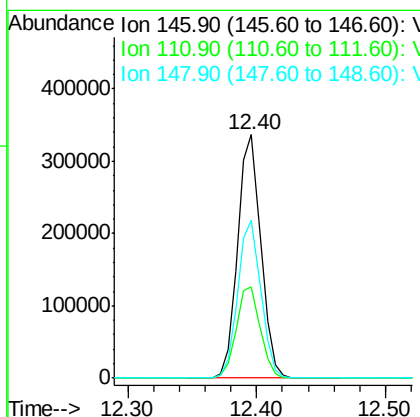
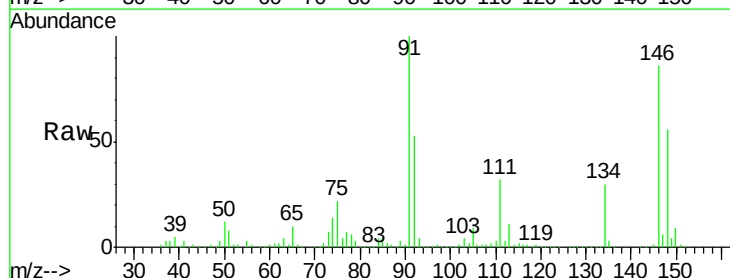
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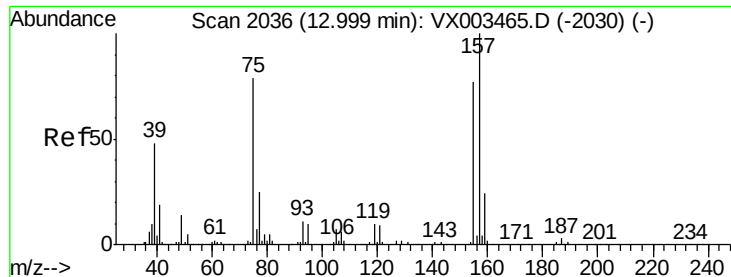
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#91
1,2-Dichlorobenzene
Concen: 49.071 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion:146 Resp: 421691
Ion Ratio Lower Upper
146 100
111 38.6 19.4 58.1
148 64.7 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.422 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

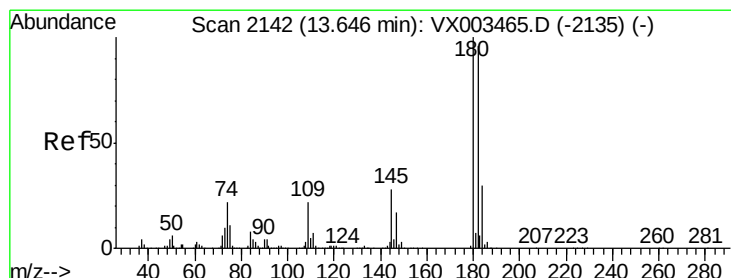
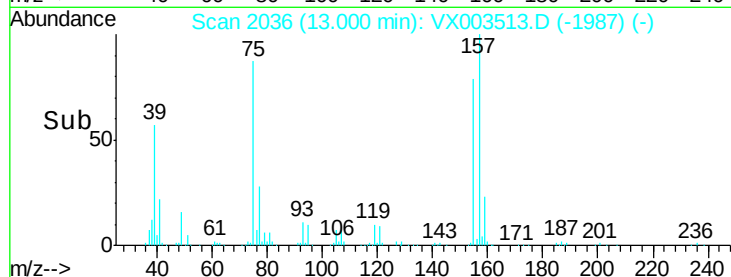
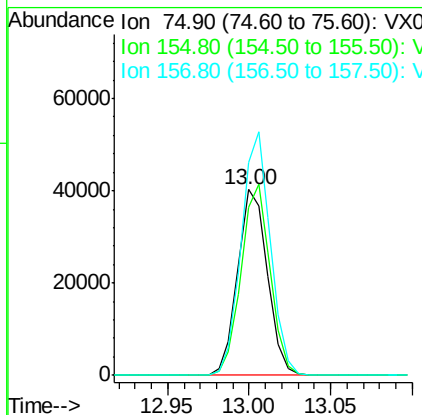
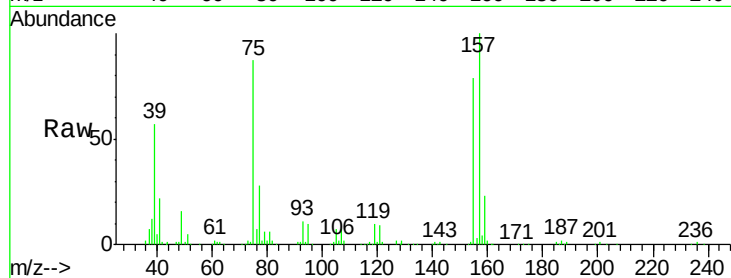
ClientSampleId :

LF1-0034MS

Tgt Ion:	75	Resp:	51185
Ion Ratio	Lower	Upper	
75	100		
155	100.5	45.8	137.4
157	128.1	60.1	180.3

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#93

1,2,4-Trichlorobenzene

Concen: 45.297 ug/l

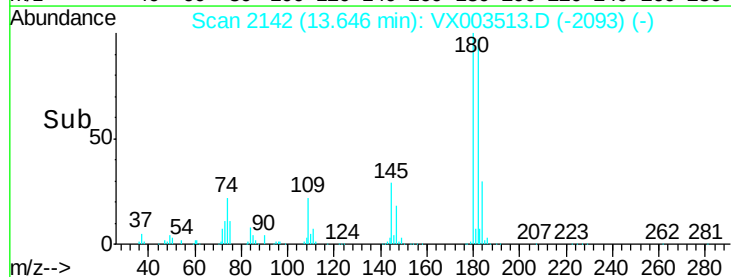
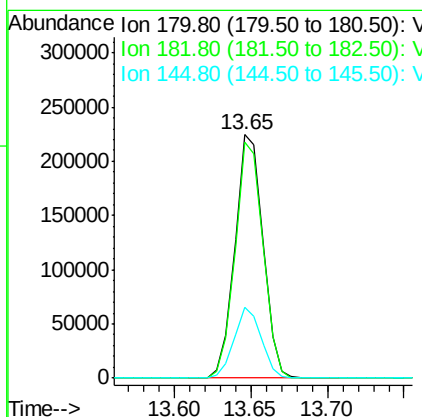
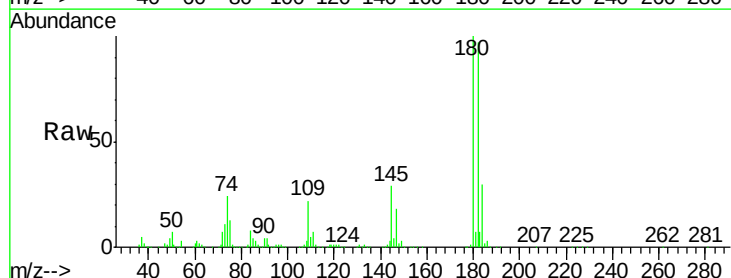
RT: 13.65 min Scan# 2142

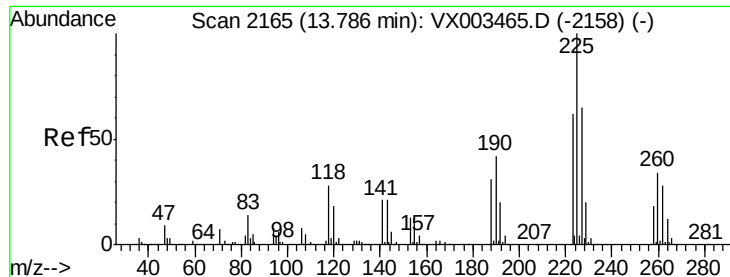
Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion:	180	Resp:	285285
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.7	143.1
145	28.2	14.1	42.4





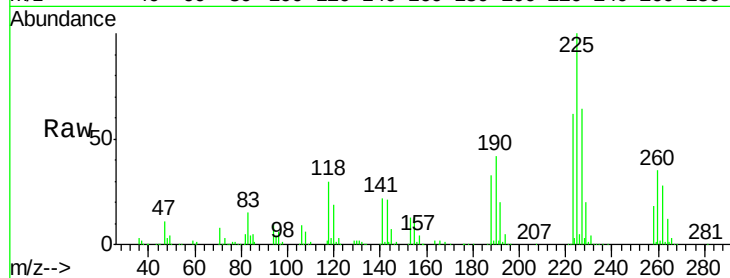
#94
Hexachlorobutadiene
Concen: 42.969 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

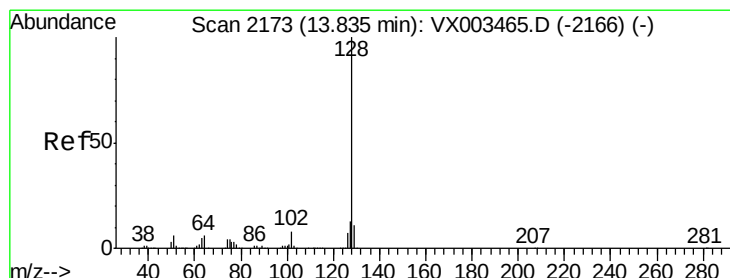
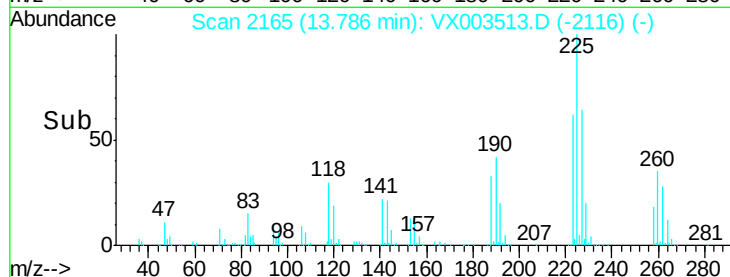
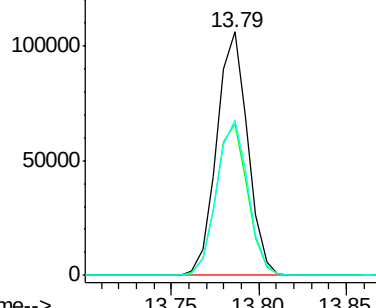
Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.7	31.6	95.0
227	64.8	32.4	97.2

Manual Integrations
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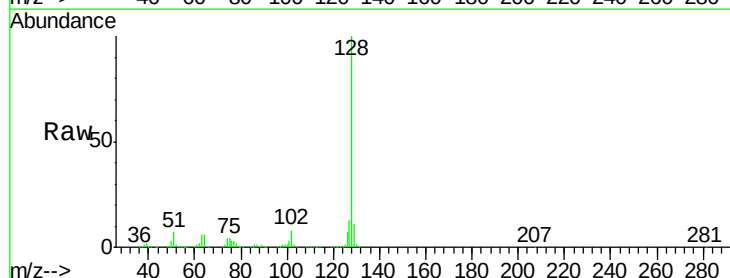


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

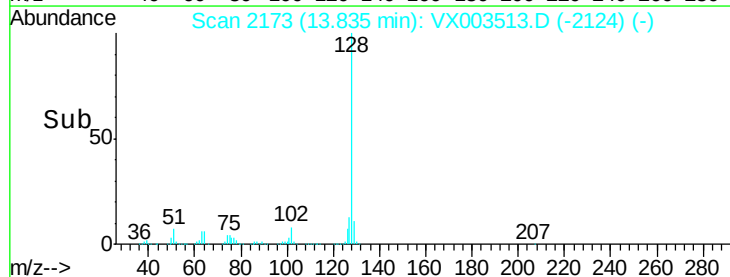
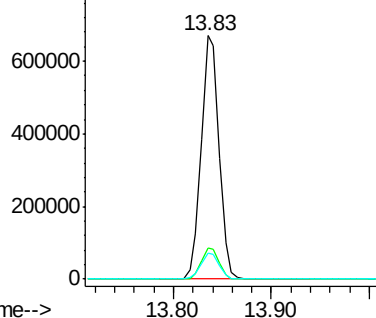


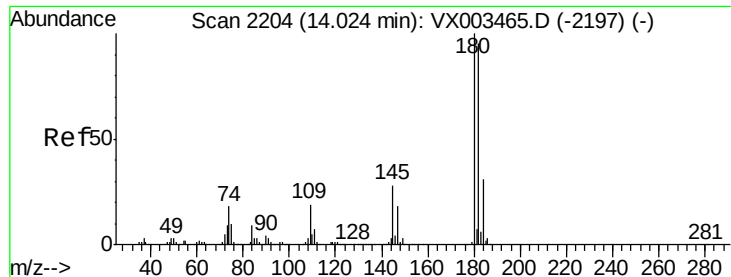
#95
Naphthalene
Concen: 51.099 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 46.948 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	292710		
182	96.2	48.0	144.0	
145	29.5	14.8	44.3	

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 2:45:23 PM

